

84692

Access DB# \_\_\_\_\_

## SEARCH REQUEST FORM

CRFE

Scientific and Technical Information Center

Requester's Full Name: Torin Examiner #: 69507 Date: \_\_\_\_\_  
 Art Unit: 1646 Phone Number 30 8-6208 Serial Number: 09/942374  
 Mail Box and Bldg/Room Location: 91 Results Format Preferred (circle): PAPER DISK E-MAIL  
10 DIS

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search SEQ ID NO: 1 and 2  
 of 09/942374.

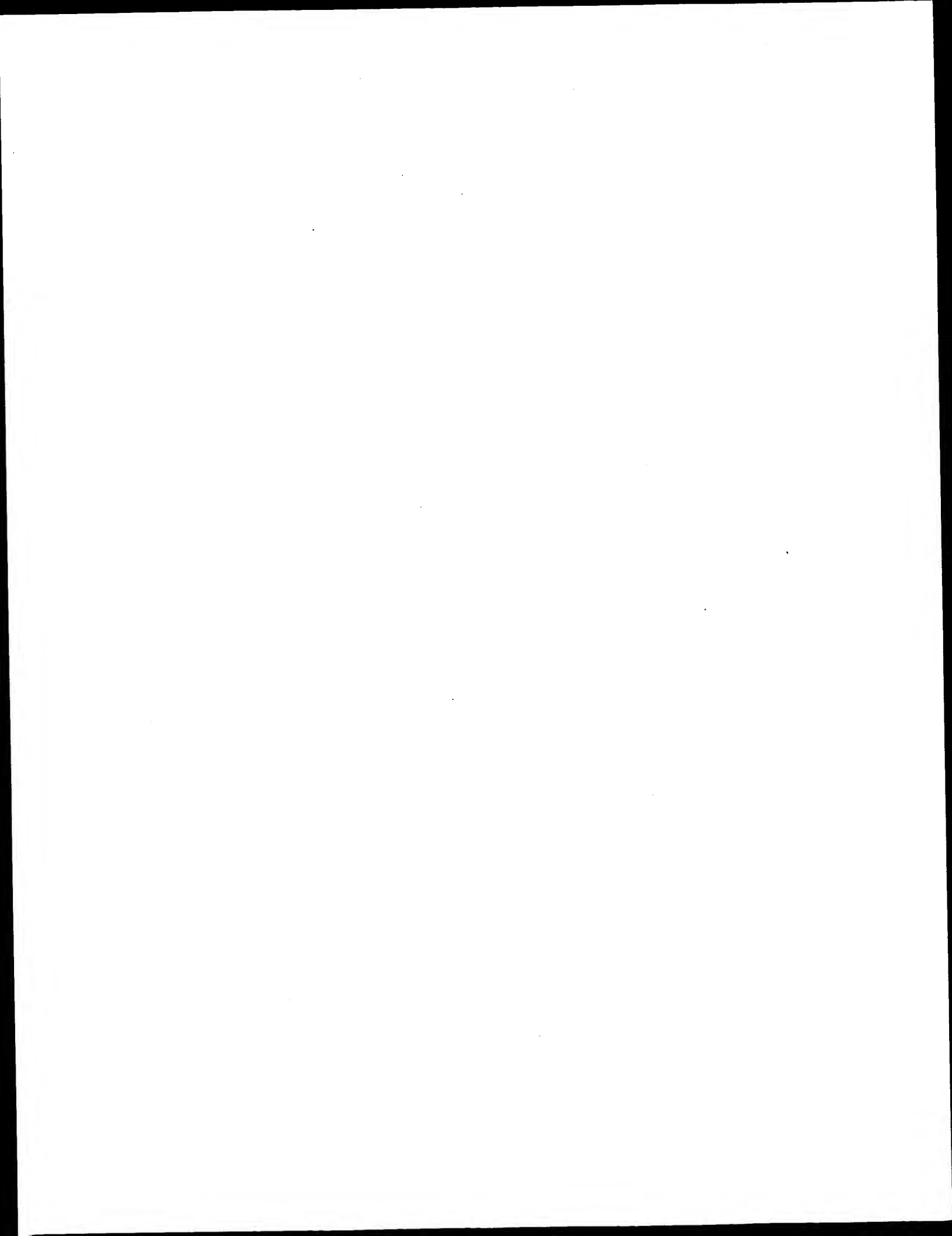
Point of Contact:  
 Beverly Shears  
 Technical Info. Specialist  
 CM1 1E05 Tel: 308-4994

1-1194 NA  
 2-346 AA

\*\*\*\*\*

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Beverly e4094</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: <u>04-04-03</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>5</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>20</u>	Other _____	Other (specify) <u>✓ CGN</u>



GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd

Run on: April 3, 2003, 20:24:11 ; Search time 3676 Seconds

(without alignments)  
9452.870 Million cell updates/sec

Title: US-09-942-374-1

Sequence: 1 gcaccagccaacccacacac.....acattgtgagtgcactga 1194

Scoring table: IDENTITY\_NUC

Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

## Listing first 45 summaries

Database

1:	gb	ba:	*
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35:	em	hng	rod:
36:	em	hng	mam:
37:	em	hng	yft:
38:	em	sy:	*
39:	em	hng	hnu:
40:	em	hng	mus:
41:	em	hng	other:

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1193.6	100.0	1194	6	AX395169	AX395169 Sequence
2	1187.2	99.4	1441	6	AB065866	AB065866 Homo sapi
3	1187.2	99.4	1730	6	AX277635	AX277635 Sequence
4	1187.2	99.4	2331	6	AX299707	AX299707 Sequence
5	1187.2	99.4	2345	6	AF385432	AF385432 Homo sapi
6	1187.2	99.4	3612	9	AF385431	AF385431 Homo sapi
7	1187.2	99.4	179703	2	AC026331	AC026331 Homo sapi
8	1187.2	99.4	210805	2	AC026333	AC026333 Homo sapi
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10	1079.8	90.4	1083	6	AX305131	AX305131 Sequence
11	1044.4	87.5	1050	6	AX338371	AX338371 Sequence
12	1043.4	87.4	1050	6	AX338373	AX338373 Sequence
13	1041	87.2	1041	6	AX395171	AX395171 Sequence
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15	1039.4	87.1	1041	6	AX148182	AX148182 Sequence
16	1039.4	87.1	1041	6	AX299705	AX299705 Sequence
17	1039.4	87.1	1041	6	AX375434	AX375434 Sequence
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26	369.2	30.9	2051	6	AX335595	AX335595 Sequence
27	369.2	30.9	2051	9	HUMHMT74	AX394299 Sequence
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## ALIGNMENTS

RESULT 1					
LOCUS	AX395169				
DEFINITION	AX395169	1194 bp	DNA	linear	PAT 18-MAY-2002
ACCESSION	Sequence 1	from Patent	WO0218579.		
VERSION	AX395169				
KEYWORDS	AX395169.1	GI:21066219			
SOURCE	human.				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.				
TITLE	1				
	Glucksman, M.A.				
	57242, a novel human g protein-coupled receptor family member and				
	uses therefor				

JOURNAL Patent: WO 0218579-A 1 07-MAR-2002;  
Millennium Pharmaceuticals, Inc. (US)  
Location/Qualifiers

SOURCE 1..1194  
/organism="Homo sapiens"  
/db\_xref="taxon:9606"

CDS  
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BASE COUNT 240 a 349 c 318 g 286 t 1 others  
ORIGIN

Query Match 100.0%; Score 1193.6; DB 6; Length 1194;  
Best Local Similarity 100.0%; Pred. No. 2.9e-287;

Matches 1194; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 GCACGACGACCCACACACAGAGACCCGCAATCTCGGTGATGAAAGTCAGACACACG 60
QY 61 AGCTGGGTAGAGCTAGAGCTAGATAGAGATCTGAGCCATGTCGAGGAGCTCCCTGG 120
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DB 781 GCGAGACAGGCTCGATGAGAAAGGCGACCCGGTTCATCATGCTGTGCAATTTGTTC 840

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DB 841 ATACATGCTACTCTGCGGACGCTGTCTGTGACATCTTTTCTCTGAGCGGTGCTG 900

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DB 1141 TTCCAAGCAGTGTGATGGGCAATGGATCCCAATTTGATGGAGCACTGA 1194

RESULT 2  
AB065866 1441 bp DNA linear PRI 23-JUL-2002

LOCUS Homo sapiens gene for seven transmembrane helix receptor, complete

DEFINITION cds, isolate:CBRC7TM\_429.

ACCESSION AB065866

VERSION AB065866

KEYWORDS AB065866.1 GI:21928996

SOURCE Homo sapiens (isolate:CBRC7TM\_429) DNA.

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE 1 Suwa, M., Sato, T., Okouchi, I., Arita, M., Futami, K., Matsumoto, S.,  
Tsutsumi, S., Aburatani, H., Asai, K. and Akiyama, Y.  
Genome-wide discovery and analysis of human seven transmembrane  
helix receptor genes  
Unpublished

TITLE helix receptor genes

JOURNAL Direct Submission  
AUTHORS Suwa, M.  
REFERENCE Submitted (11-JUL-2001) Makiko Suwa, Computational Biology Research  
Center (CBRC), National Institute of Advanced Industrial Science  
and Technology (AIST); 2-41-6 Aomi Koto-Ku, Tokyo 135-0064, Japan  
(E-mail: m-suwa@aist.go.jp, URL: http://www.cbrc.jp/)  
Tel: 81-3-3599-8080, Fax: 81-3-3599-8081

COMMENT This sequence is a seven transmembrane helix receptor candidate  
predicted from the whole human genome sequences using our automated  
system that contains programs of gene  
finding (Genedecoder), sequence search, motif-domain assignment and  
transmembrane helix prediction.

And the sequence is submitted by the collaborative project between  
[Computational Biology Research Center (CBRC), National Institute  
of Advanced Industrial Science and Technology (AIST)] and [Genome  
Science Division, Research Center for Advanced Science and  
Technology (RCAST), University of Tokyo].

Location/Qualifiers

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/organism="Homo sapiens"

/isolate="CBRC7TM\_429"

FEATURES

SOURCE



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BASE COUNT      299 a      405 c      377 g      360 t
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Query Match      99.4%; Score 1187.2; DB 9; Length 1441;
Best Local Similarity 99.6%; Pred. No. 1.2e-285;
Matches 1189; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
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QY 1141 TTCAAAGCAGTCTGATGGGCAATGGATCCCAATTTGTTGATGGCACTGA 1194
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RESULT 3
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LOCUS      AX277635
DEFINITION      Sequence 1 from Patent WO0177320.
ACCESSION      AX277635
VERSION      AX277635.1 GI:16604811
KEYWORDS
SOURCE      human.
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE      1
AUTHORS      Xiao,Y.
TITLE      Regulation of human hm74-like g protein coupled receptor
JOURNAL      Patent: WO 0177320-A 1 18-0CP-2001;
Bayer Aktiengesellschaft (DE)
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Location/Qualifiers
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Query Match      99.4%; Score 1187.2; DB 6; Length 1730;
Best Local Similarity 99.6%; Pred. No. 1.2e-285;
Matches 1189; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
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DB 311 GCAGCATCCAAACCCACACACAGAGACCCGATCCTGGTGATGATGACAGACRAGC 370
QY 61 AGCTGGTGAAGTCTTAACGCTCAAGATAAGCATCTGTGCCATTGTGGAGACTCCCTGGCT 120
DB 371 AGCTGGTGAAGTCTTAACGCTCAAGATAAGCATCTGTGCCATTGTGGAGACTCCCTGGCT 430
QY 121 GCTCTGACCCGACACACGCTGTCTCCCGCCATGTACAAAGGGTGTGTGCTGCGCATC 180
DB 431 GCTCTGACCCGACACACGCTGTCTCCCGCCATGTACAAAGGGTGTGTGCTGCGCATC 490
QY 181 GAGGGGACACCATCTCCAGAGTATGCCGCGCTGCTCAATTGGGCTTTGTGCTGGG 240
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 DB 611 AGCAGCTTTAATCTTTCAATTTTGACCGTGGATTTCTCTTATGATCTGCTGCT 670  
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 VERSION AX299707.1 GI:17129251  
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 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
 REFERENCE  
 1 Ye, J.C., Cravchik, A.C., di Francesco, V.C. and Beasley, E.M.  
 Isolated human g-protein coupled receptors, nuclear acid molecules  
 encoding human gpcr proteins, and uses thereof  
 JOURNAL Patent: WO 0173029-A 3 04-0CT-2001;  
 PE Corporation (NY) (US)  
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ACCESSION AF385432  
VERSION AF385432.1 GI:21205857  
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SOURCE Homo sapiens.  
ORGANISM Homo sapiens  
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REFERENCE 1 (bases 1 to 2345)  
AUTHORS Mao, M., Biery, M.C., Kobayashi, S.V., Schimmack, G.A., Ward, T.R.,  
Schelter, J.M., Burchard, J., He, Y.D., Dai, H., Leonardson, A.,  
Coffey, E., Stoughton, R. and Linsley, P.S.  
T lymphocyte activation gene discovery using ink-jet microarrays  
unpublished  
TITLE 2 (bases 1 to 2345)  
JOURNAL  
REFERENCE  
AUTHORS Mao, M., Biery, M.C., Kobayashi, S.V., Schimmack, G.A., Ward, T.R.,  
Schelter, J.M., Burchard, J., He, Y.D., Dai, H., Leonardson, A.,  
Coffey, E., Stoughton, R. and Linsley, P.S.  
Direct Submission  
Submitted (25-MAY-2001) Research, Rosetta Pharmaceuticals, Inc., 12040  
115th Ave NE, Kirkland, WA 98034, USA  
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BASE COUNT 1285..2345  
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Best Local Similarity 99.6%; Pred. No. 1.2e-285;  
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 ACCESSION AC026333  
 VERSION AC026333.27 GI:22038297

# KEYWORDS SOURCE ORGANISM

HTG; HTGS\_PHASE1; HTGS\_DRAFT; HTGS\_FULLTOP.  
Homo sapiens

## REFERENCE AUTHORS

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
 1 (bases 1 to 210805)  
 Muzny, D.M., Adams, C., Adio-Oduola, B., Ali-oshan, F.R., Allen, C.,  
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 Earnhart, C., Edgar, D., Edwards, C.C., Elhaj, C., Escoto, M.,  
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 Weinstein, G., and Gibbs, R.  
 Direct Submission  
 2 (bases 1 to 210805)  
 Unpublished  
 Direct Submission  
 3 (bases 1 to 210805)  
 Baylor College of Medicine  
 Baylor Plaza, Houston, TX 77030, USA  
 3 (bases 1 to 210805)  
 Worley, K.C.  
 Direct Submission  
 Submitted (02-AUG-2002) Human Genome Sequencing Center, Department  
 of Molecular and Human Genetics, Baylor College of Medicine, One  
 Baylor Plaza, Houston, TX 77030, USA  
 On Aug 1, 2002 this sequence version replaced gi:22024364.  
 ----- Genome Center  
 Center: Baylor College of Medicine  
 Center code: BCM  
 Web site: http://www.hgsc.bcm.tmc.edu/  
 Drafting Center Code: BCM  
 Contact: hgsc-help@bcm.tmc.edu  
 ----- Project Information  
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 Sequencing vector: Plasmid;  
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Chemistry: Dye-primer Body: 10% of reads  
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\* NOTE: Estimated insert size may differ from sequence length  
 \* (see http://www.hgsc.bcm.tmc.edu/docs/Gendb\_data.html).  
 \* NOTE: This is a "working draft" sequence. It currently  
 \* consists of 8 contigs. The true order of the pieces  
 \* is not known and their order in this sequence record is  
 \* arbitrary. Gaps between the contigs are represented as  
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 \* This record will be updated with the finished sequence  
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 LOCUS  
 DEFINITION  
 ACCESSION  
 VERSION  
 KEYWORDS  
 SOURCE  
 ORGANISM  
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 Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE  
 1  
 AUTHORS  
 Majumder, K., Vernet, C.A., Casman, S.J., Wolenc, A.R., Spaderina, S.K.,  
 Padigaru, M., Mishra, V.S., Tchernev, V.T., Spytek, K.A., Li, L.,  
 Baumgartner, J.C., and Gusev, V.Y.  
 TITLE  
 Novel proteins and nucleic acids encoding same  
 Patent: WO 0174904-A 4 11-OCT-2001;  
 JOURNAL  
 Curagen Corporation (US)

## FEATURES

source

 Location/Qualifiers  
 1.1104  
 /organism="Homo sapiens"  
 /db\_xref="taxon:9606"

BASE COUNT 216 a 318 c 295 g 275 t

ORIGIN

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 Best Local Similarity 99.6%; Pred. No. 2.7e-262;  
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 QY 215 TGTCTCATGT 274  
 Db 121 TGTCTCATGT 180  
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 QY 335 ATTTCTCTCTTATGATGT 394  
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 QY 395 GGGCTTTTGGGGAATTTCCCTGCGAGTGGGGGCTCTTCACTGGCCATGAACAGGGCCG 454  
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 Db 601 TCCAGTCGT 660  
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 QY 875 TCTATTTTCTCTGAGAGGCTGCGAGTGGCTGGCATCTCTCTGTGTGTGTGTGTGTGTGT 934  
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 Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.

## REFERENCE

## AUTHORS

Patterson, C., Lu, D.A., Thornton, M., Lu, Y., Tribouley, C.M.,  
 Graul, R., Khan, F.A., Gandhi, A.R., Wajia, N.K., Nguyen, D.B., Yue, H.,  
 Hafeez, A., Elliott, V.S., Lal, P., Reddy, R., Kallick, D.A., Tang, T.Y.  
 and Au-Yang, J.

G-protein coupled receptors  
 Patent: WO 0187937-A 11 22-NOV-2001;  
 Incyte Genomics, Inc. (US)

## TITLE

## JOURNAL

Incyte Genomics, Inc. (US)  
 Location/Qualifiers

## FEATURES

## source

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 /db\_xref="taxon:9606"  
 /note="Incyte ID No: 7474846CB1"

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Query Match 90.4%; Score 1079.8; DB 6; Length 1083;  
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 QY 412 CCTTGGCGAGTGGGCTCTTCACTTGTGCGCATGAACGAGGCGGAGACATGTGTCTT 471  
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 QY 472 ACGGT 531  
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QY 532 ATCTCACCCTGGGTGGCGGCTGGCATTCGTCTGACACCTGTGGCCCTGTGATCCTTGGGA 591  
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LOCUS AX38371  
DEFINITION Sequence 1 from Patent WO0174904.  
ACCESSION AX38371  
VERSION AX38371.1 GI:18128869  
KEYWORDS human.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1  
AUTHORS Majumder, K., Verne, C.A., Casman, S.J., Wolenc, A.R., Spaderna, S.K.,  
Baumgartner, J.C., Mishu, V.S., Tcherny, V.T., Spylek, K.A., Li, L.,  
Novel proteins and nucleic acids encoding same  
Patent: WO 0174904-A 1 11-OCT-2001;  
Curagen Corporation (US)  
FEATURES  
source location/Qualifiers  
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/db\_xref="taxon:9606"  
BASE COUNT 211 a 299 c 279 g 261 t

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Query Match 87.5%; Score 1044.4; DB 6; Length 1050;  
Best Local Similarity 99.9%; Pred. No. 5.2e-250;  
Matches 1045; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
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QY 209 CGCCGCTGCTCATGTGAGCTTTGTGCTGGGCGCATAGGCAATGGAGTGGCTGTGTG 268  
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QY 269 GTTTCGCTTCCACATGAGACCTGGAGACCCAGACAGTCTTAACTTTTAAATTGGCCG 328  
Db 121 GTTTCGCTTCCACATGAGACCTGGAGACCCAGACAGTCTTAACTTTTAAATTGGCCG 180  
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Db 181 TGGCTGATTTCTCTTATGATCTGCTGCTTTTCGACAGACTATTACCTCAGACGTA 240  
QY 389 GACACTGGGCTTTTGGGAGCATTCCTCGCGAGTGGGCTCTTCACTTTGGCATGAACA 448  
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Db 361 ACCCCACACAGCGGTGAACAATATCTCCACCAGGAGGAGGCTGGATCTGTCACACC 420  
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Db 421 TGTGGGCTCTGCTCATCTGAGGAGAGTGTATCTTTTCTGAGAGACATCTGCGTGC 480  
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LOCUS Sequence 3 from Patent WO0174904.
DEFINITION AX338373
ACCESSION AX338373
VERSION AX38373.1 GI:18128870
KEYWORDS
SOURCE
ORGANISM human.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1 Majumder, K., Vernet, C.A., Casman, S.J., Wolenc, A.R., Spaderna, S.K.,
Padigaru, M., Mishra, V.S., Tchernev, V.I., Spytek, K.A., Li, L.,
Baumgartner, J.C. and Gusev, V.Y.
Novel proteins and nucleic acids encoding same
JOURNAL Patent: WO 0174904-A 3 11-OCT-2001;
Curagen Corporation (US)
FEATURES
Source 1.1050
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 211 a 298 c 279 g 262 t
ORIGIN

Query Match 87.4%; Score 1043.4; DB 6; Length 1050;
Best Local Similarity 99.9%; Pred. No. 9.3e-250;
Matches 1044; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 150 CGCGATGTACAAAGGGTCTGCTGCGCATTCGAGGGGGAACACATCTCCAGGTATGCC 209
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QY 270 TTTCTGTTCCATGATGAAGCCTGGAAGCCAGACAGTCTTTCATTTTGGCCCT 329
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QY 630 AGAGACGCGCTCTCTGTGAGACTTCATCATGAGATCGGCAATGAGCTGAGCAGCAT 689
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LOCUS Sequence 3 from Patent WO0218579.
DEFINITION AX395171
ACCESSION AX395171
VERSION AX395171.1 GI:21066221
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1 Glucksmann, M.A.
57242, a novel human g protein-coupled receptor family member and
uses therefor
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Millennium Pharmaceuticals, Inc. (US)
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Best Local Similarity 100.0%; Pred. No. 3.7e-249;
Matches 1041; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 274 TGTCTTCCATGAGAGCTGGAAGCCAGACATTTTACCTTTTCAATTTGGCGTGGCT 333

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RESULT 14  
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LOCUS AX147834 1041 bp DNA linear PAT 08-JUN-2001  
DEFINITION Sequence 79 from Patent WO0136473.  
ACCESSION AX147834  
VERSION AX147834.1 GI:14346838  
KEYWORDS  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE  
1 (bases 1 to 1041)  
AUTHORS  
Vogeli, G., Wood, U.S., Parodi, L.A., Hiebsch, R.R., Lind, P.,  
Slightom, J., Schellin, K.A., Kayes, P.S., Bannigan, C.M., Ruff, V.,  
Sejltiz, T., and Huff, R.M.  
TITLE  
Novel 9 protein-coupled receptors  
JOURNAL  
Parent: WO 0136473-A 79 25-MAY-2001;  
PHARMACIA & UPJOHN COMPANY (US)  
FEATURES  
source  
1. 1041  
/organism="Homo sapiens"  
/db\_xref="taxon:9606"  
BASE COUNT 208 a 294 c 278 g 261 t  
ORIGIN  
Query Match 87.1%; Score 1039.4; DB 6; Length 1041;  
Best Local Similarity 99.9%; Pred. No. 9.3e-249;  
Matches 1040; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 154 ATGTACAAAGGAGTGTCTGCTGCGCATCGAGGGGAGACACATCTCCAGATGATGCGCG 213  
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Db 61 CTGCTCATGTTGGCCCTTTGTGCTGGGCGCACTAGGCAATGGGGTGGCCGTGTGTTT 120  
QY 274 TGCTTCAATGAGACCTGAGAGCCAGACCTGTTTCACTTTTCAATTTGGCGTGGCT 333  
Db 121 TGCTTCAATGAGACCTGAGAGCCAGACCTGTTTCACTTTTCAATTTGGCGTGGCT 180  
QY 334 GATTTCCCTCTTATGATCTGCTGCTTTTGGAGACAGATATTAACCTGACAGTAGACAC 393  
Db 181 GATTTCCCTCTTATGATCTGCTGCTTTTGGAGACAGATATTAACCTGACAGTAGACAC 240  
QY 394 TGGGCTTTTGGGAGACATTTCCCTGCGAGTGGGGCTTTTCAAGTTGGCCATGAGAGGCC 453  
Db 241 TGGGCTTTTGGGAGACATTTCCCTGCGAGTGGGGCTTTTCAAGTTGGCCATGAGAGGCC 300  
QY 454 GGGAGCATGATGTTCCCTTACGAGTGGTGGCTGGACAGATATTTCAAGTGGTCAACCCC 513  
Db 301 GGGAGCATGATGTTCCCTTACGAGTGGTGGCTGGACAGATATTTCAAGTGGTCAACCCC 360  
QY 514 CACCAAGCGGTGAACATATCTTCCACCGGGTGGCGGTGGACATGATGTCGACCTGGTGG 573  
Db 361 CACCAAGCGGTGAACATATCTTCCACCGGGTGGCGGTGGACATGATGTCGACCTGGTGG 420  
QY 574 GCCCTGATCTCTGGGAGACAGTGTATTTTGGTGAAGAACATCTCTGGCTGCAAGAG 633  
Db 421 GCCCTGATCTCTGGGAGACAGTGTATTTTGGTGAAGAACATCTCTGGCTGCAAGAG 480  
QY 634 ACGGCGGTCTCTGGAGAGCTTATCATGAGATGGCCCAATGGCTGGACAGATCATG 693  
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 QY 1174 CACATTTGAGTGGCACTGA 1194  
 Db 1021 CACATTTGAGTGGCACTGA 1041

RESULT 15  
 AX148182 1041 bp DNA linear PAT 08-JUN-2001  
 LOCUS Sequence 23 from Patent WO0136471.  
 DEFINITION AX148182  
 ACCESSION AX148182.1 GI:14347084  
 VERSION  
 KEYWORDS  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.  
 1 (bases 1 to 1041)  
 Chen, R., Dang, H.T. and Lowitz, K.P.  
 Endogenous and non-endogenous versions of human g protein-coupled  
 receptors  
 Patent: WO 0136471-A 23 25-MAY-2001;  
 Arena Pharmaceuticals, Inc. (US)  
 Location/Qualifiers  
 source 1..1041  
 /organism="Homo sapiens"  
 /db\_xref="taxon:9606"

JOURNAL  
 FEATURES  
 source 1..1041  
 /organism="Homo sapiens"  
 /db\_xref="taxon:9606"  
 BASE COUNT 208 a 294 c 278 g 261 t  
 ORIGIN

Query Match 87.1%; Score 1039.4; DB 6; Length 1041;  
 Best Local Similarity 99.9%; Pred. No. 9.3e-249;  
 Matches 1040; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 154 ATGTACAAACGGTCTGCTGCTCCGATCGAGGGGAGACACCATCTCCAGGTGATGCCGCG 213  
 Db 1 ATGTACAAACGGTCTGCTGCTCCGATCGAGGGGAGACACCATCTCCAGGTGATGCCGCG 60  
 QY 214 CTGCTCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 273  
 Db 61 CTGCTCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120  
 QY 274 TGCTTCACATGAAGACCTGGAAGCCAGACATGTTTACCTTTCAATTTGGCGTGCCT 333  
 Db 121 TGCTTCACATGAAGACCTGGAAGCCAGACATGTTTACCTTTCAATTTGGCGTGCCT 180  
 QY 334 GATTTCTCTTATGATCTGCTGCTGCTTTCGACAGACTATTATCTCAGACGTAGACAC 393  
 Db 181 GATTTCTCTTATGATCTGCTGCTGCTTTCGACAGACTATTATCTCAGACGTAGACAC 240  
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 Db 241 TGGGCTTTGGGAGACATCTCCCTGCGAGTGGGCTCTTCACTGTTGGCCATGAACAGGGCC 300  
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 Db 301 GGGAGCATCGGTTCTTACGAGTGGTGGTGGGAGCAGGTATTCAAAGTGTCAACCCC 360  
 QY 514 CACCACGCGGTGAACACTATCTCCACCAGGCTGGCGGTGGCATCTGTCACCTCTGTGG 573

Db 361 CACACGCGGTGAACACTATCTCCACCAGGCTGGCGGTGGCATCTGTCACCTGTGG 420  
 QY 574 GCCCTGATCTCTGGGAACAGGTATCTTTGCTGGGAACCATCTCTGGCGTGAAGAG 633  
 Db 421 GCCCTGATCTCTGGGAACAGGTATCTTTGCTGGGAACCATCTCTGGCGTGAAGAG 480  
 QY 634 ACAGCGCTCTCTGGAGAGCTTCAATGAGTGGGCAATGGCTGGCAACGATCATG 693  
 Db 481 ACAGCGCTCTCTGGAGAGCTTCAATGAGTGGGCAATGGCTGGCAACGATCATG 540  
 QY 694 TTCAGCTGAGTTCTTTATGCCCCCTCGGATCATCTTATTTGCTCTTCAAGATGTT 753  
 Db 541 TTCAGCTGAGTTCTTTATGCCCCCTCGGATCATCTTATTTGCTCTTCAAGATGTT 600  
 QY 754 TGGAGCTGAGGCGAGGAGGAGCAGCTGSCAGACAGGCTCGAGTAAGAGGCGA 813  
 Db 601 TGGAGCTGAGGCGAGGAGGAGCAGCTGSCAGACAGGCTCGAGTAAGAGGCGA 660  
 QY 814 TTCATCATGCTGCTGGCAATGTTGTTTATCATCATGCTGCTGCCAGGCTGTCTGTA 873  
 Db 661 TTCATCATGCTGCTGGCAATGTTGTTTATCATCATGCTGCTGCCAGGCTGTCTGTA 720  
 QY 874 CTCTATTTCTCTGAGCGGTGCTTGAATGGCTGGATCCCTGTCATGAGGCGCTG 933  
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 QY 994 TCAAGCCCCCTCTTCCCAATTTCTACAAACAGCTCAAAATCTGCACTGTAAGCCGAG 1053  
 Db 841 TCAAGCCCCCTCTTCCCAATTTCTACAAACAGCTCAAAATCTGCACTGTAAGCCGAG 900  
 QY 1054 CAGCCAGACATCTCAAAAACAAAGGCCGAGAGATGCCAATTTGCAACTGGGTGC 1113  
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 QY 1114 AGAGTTGATCAGTGTGGCAATAGTTTCCAAAGCCAGTCTGATGGGCAATGGGATCCC 1173  
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 QY 1174 CACATTTGAGTGGCACTGA 1194  
 Db 1021 CACATTTGAGTGGCACTGA 1041

Search completed: April 3, 2003, 22:11:51  
 Job time : 3810 secs



XX XX  
EN WO200218579-A2.  
XX 07-MAR-2002.  
XX 29-AUG-2001; 2001WO-US26882.  
XX 29-AUG-2000; 2000US-228409P.  
XX (MILL-) MILLENNIUM PHARM INC.  
XX Glucksmann MA;  
XX WPI, 2002-479433/51.  
XX P-PSDB; AAE24354.  
XX  
XX Human G protein coupled receptor nucleic acid and polypeptide  
XX molecules, designated 57242, useful for diagnosing, preventing or  
XX treating aberrant lipogenesis or aberrant lipolysis, obesity, diabetes  
XX or bone disorders (e.g. osteoporosis) -  
XX  
XX Claim 1; Page 111-112; 114pp; English.  
XX  
XX The invention relates to G protein coupled receptor (GPCR) family  
XX member, 57242 and its corresponding nucleic acid sequence. The 57242  
XX nucleic acid and polypeptide are useful for diagnosing, preventing  
XX or treating a subject having or at risk of developing a metabolic  
XX disorder, particularly a disorder associated with aberrant lipogenesis  
XX or aberrant lipolysis, obesity or diabetes. The 57242 DNA and protein  
XX are also useful for treating a subject having bone disorder, where  
XX the disorder is osteoporosis or a disorder associated with aberrant  
XX osteogenesis or aberrant bone resorption. These diseases include  
XX obesity, diabetes, hyperlipidaemia, overweight, anorexia or cachexia.  
XX The 57242 DNA and protein are also useful for treating a subject  
XX having haematopoietic disorders, autoimmune disorders e.g. psoriasis  
XX and multiple sclerosis, brain disorders, degenerative diseases e.g.  
XX Alzheimer's disease and pick disease and disorders involving heart.  
XX The 57242 nucleic acid and polypeptide are also useful for modulating  
XX adipocyte activity such as hyperplastic growth, hypertrophic growth  
XX or lipogenesis. The 57242 DNA is used in gene therapy. The present  
XX sequence is human 57242 cDNA.  
XX  
XX Sequence 1194 BP; 240 A; 349 C; 318 G; 286 T; 1 other;  
XX  
XX Query Match 100.0%; Score 1193.6; DB 24; Length 1194;  
XX Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;  
XX Matches 1194; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX 1 GCACAGCCCAACCCACACACAGAGCCGATCTGGTATGAAGTCAGACACACAC  
XX 1 GCACAGCCCAACCCACACACAGAGCCGATCTGGTATGAAGTCAGACACACAC  
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XX 241 GCACTAGGCAATGGGGTGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT  
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DB 361 TTTCGACAGACTTATTAATTAAGACATGAGCACTGGGCTTTGGGACATTTCTGCGCA  
XX 421 GTGGGGCTCTTACAGTGTGGCCATGAACAGGGGCGGAGATGTGTCCTTACGGTGGG  
XX 421 GTGGGGCTCTTACAGTGTGGCCATGAACAGGGGCGGAGATGTGTCCTTACGGTGGG  
XX 481 GCTGCGGACAGGATTTTCAAGTGTGTCACCCCAACAGCGGATGAACATATCTCCAC  
XX 481 GCTGCGGACAGGATTTTCAAGTGTGTCACCCCAACAGCGGATGAACATATCTCCAC  
XX 541 CGGATGCGGCTGACATGCTGACACCTGTGGGCTGTGTATCTCTGGGAACATGTAT  
XX 541 CGGATGCGGCTGACATGCTGACACCTGTGGGCTGTGTATCTCTGGGAACATGTAT  
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XX 601 CTTTGTGTAAGAACATCTGCGGCAAGAGACGGGCGCTCCTGATGAGCTTCAATC  
XX 661 ATGAGTGGGCCAATGAGTGGGACGACATCATGTTCCAGCTGGAATTTTATGCCCCC  
XX 661 ATGAGTGGGCCAATGAGTGGGACGACATCATGTTCCAGCTGGAATTTTATGCCCCC  
XX 721 GGCATCATCTTATTTTGTCTCTTCAAGATTTTGGAGCTTGAAGGAGGAGAGCTG  
XX 721 GGCATCATCTTATTTTGTCTCTTCAAGATTTTGGAGCTTGAAGGAGGAGAGCTG  
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XX 1141 TTCCAAAGCCAGTGTGATGAGCAATGGGATCCCAATTTGTGATGAGTGA  
XX 1141 TTCCAAAGCCAGTGTGATGAGCAATGGGATCCCAATTTGTGATGAGTGA  
XX 1194 TTTCGACAGACTTATTAATTAAGACATGAGCACTGGGCTTTGGGACATTTCTGCGCA  
XX 1194 TTTCGACAGACTTATTAATTAAGACATGAGCACTGGGCTTTGGGACATTTCTGCGCA

RESULT 2  
AAS18501  
ID AAS18501 standard; cDNA; 1730 BP.  
XX AAS18501;  
XX 26-FEB-2002 (first entry)  
XX  
XX cDNA encoding HM74-like G-protein coupled receptor (GPCR).  
XX  
XX HM74-like GPCR; G-protein coupled receptor; antibacterial; fungicide;  
XX protozoacide; analgesic; cyostatic; neuroleptic; mootropic;  
XX anticonvulsant; tranquilizer; viral infection; pain; cancer; anorexia;  
XX bulimia; asthma; central nervous system disease; CNS disease;  
XX cardiovascular disease; hypertension; hyperextension; angina pectoris;  
XX myocardial infarction; urinary retention; osteoporosis; ulcer; asthma;  
XX inflammation; allergy; benign prostatic hypertrophy; multiple sclerosis;





ID AAS12582 standard; DNA; 2331 BP.  
 XX AAS12582;  
 AC 19-DEC-2001 (first entry)  
 DT 19-DEC-2001 (first entry)  
 XX  
 DE Gene encoding novel human G protein-coupled receptor (GPCR).  
 XX  
 KM Human; G-protein coupled receptor; GPCR; chemokine receptor; protease;  
 KM hyperproliferative disorder; neurological disorder; psychiatric disease;  
 KM inflammatory disorder; respiratory disorder; gene therapy; ds.  
 XX  
 OS Homo sapiens.  
 XX  
 PN MO200173029-A2.  
 XX  
 PD 04-OCT-2001.  
 XX  
 PF 27-MAR-2001; 2001MO-US09522.  
 XX  
 PR 27-MAR-2000; 2000US-192419P.  
 PR 06-SEP-2000; 2000US-230459P.  
 PR 20-SEP-2000; 2000US-0666535.  
 XX  
 PA (PEKE ) PE CORP NY.  
 XX  
 PI Ye J, Cravchik A, Di Francesco V, Beasley EM;  
 XX WPI; 2001-616503/71.  
 DR  
 XX  
 XX Novel human G-protein coupled receptor proteins and nucleic acid  
 PT molecules encoding the protein for use in developing human therapeutics  
 PT and diagnostic compositions and for identifying modulators of the  
 PT protein -  
 XX  
 PS Claim 23; Fig 3; 66pp; English.  
 XX  
 CC The present invention relates to the isolation of a novel human G-protein  
 CC coupled receptor (GPCR) which is related to the chemokine receptor  
 CC subfamily. The CDNA and gene sequences encoding for GPCR are also  
 CC given in the invention. The sequences of the invention are useful  
 CC for diagnosing and treating diseases or conditions mediated by human  
 CC proteases. Such diseases include hyperproliferative disorders  
 CC (e.g. hyperplasia), neurological disorders (e.g. Parkinson's disease),  
 CC psychiatric diseases (e.g. schizophrenia), inflammatory disorders  
 CC (e.g. diabetes) and respiratory disorders (e.g. adult respiratory  
 CC distress syndrome, ARDS). The GPCR protein is also useful for identifying  
 CC a modulator of the expression of the protein. It also serves as a target  
 CC for identifying agents for use in mammalian therapeutic applications,  
 CC e.g. a human drug, particularly modulating a biological or pathological  
 CC response in a cell or tissue that expresses the protein, in biological  
 CC assays related to GPCRs that are related to members of the chemokine  
 CC receptor subfamily, in drug screening assays and in competition binding  
 CC assays. GPCR is also useful in diagnosing a disease or predisposition to  
 CC a disease mediated by the peptide, in pharmacogenomic analysis. The  
 CC polynucleotide sequences can also be used in gene therapy. The present  
 CC sequence represents the human GPCR gene sequence of the invention.  
 XX  
 SQ Sequence 2331 BP; 497 A; 620 C; 592 G; 622 T; 0 other;  
 Query Match 99.4%; Score 1187.2; DB 22; Length 2331;  
 Best Local Similarity 99.6%; Pred. No. 0;  
 Matches 1189; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Db 278 GCTCTGCACCCGGAACACTTGGCTCTGTCGCCGCAATGACAAAGGCTGTCTGCGCATC 337  
 Qy 181 GAGGGGGGACACATCTCCAGAGATGCGCGCGTGCATTTGGGCTTTGGCTGGG 240  
 Db 338 GAGGGGGGACACATCTCCAGAGATGCGCGCGTGCATTTGGGCTTTGGCTGGG 397  
 Qy 241 GCACATGGAATGGGGGTCGCGCGTGTGTCTGTTCTTCCATGAAAGACTGGAAAGCC 300  
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 Db 518 TTTGGGACAGACTATTAATCTTCAAGATGACATGAGCACTGGGCTTTGGGGACATTCCTGCGA 577  
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 Db 638 GCTGCGACAGGATTTTCAAAATGCTCACCCCAACAGCGGTGAACACTATCTCAC 697  
 Qy 541 CGGGTGGCGGCTGACATCGTGTGACCCCTGGGCTGTGATCTTGGGAAACAGTGTAT 600  
 Db 698 CGGGTGGCGGCTGACATCGTGTGACCCCTGGGCTGTGATCTTGGGAAACAGTGTAT 757  
 Qy 601 CTTTGTCTGAGAAACCAATCTCTGCTGCAAGAGAGCGGCTCTCTGTGAGAGTTTATC 660  
 Db 758 CTTTGTCTGAGAAACCAATCTCTGCTGCAAGAGAGCGGCTCTCTGTGAGAGTTTATC 817  
 Qy 661 ATGAGTGCSCAAATGCTGCGACAGATCATATGTTCCAGTGAATCTTTATGCCCTTC 720  
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 Qy 721 GGCATCATCTTATTTTCTCTCTTCAAGATTTGAGGCTGAGGCGGAGAGCGAGCTG 780  
 Db 878 GGCATCATCTTATTTTCTCTCTTCAAGATTTGAGGCTGAGGCGGAGAGCGAGCTG 937  
 Qy 781 GCCAGACAGGCTCGAGATGAAGAGAGGAGCGAGCTGATCTATGAGGAGATTTGTTTC 840  
 Db 938 GCCAGACAGGCTCGAGATGAAGAGAGGAGCGAGCTGATCTATGAGGAGATTTGTTTC 997  
 Qy 841 ATCAATGCTACTGCTCCAGCGGTGTCTGTAAGTCTTATTTCTTGGACGCTGCTCG 900  
 Db 998 ATCAATGCTACTGCTCCAGCGGTGTCTGTAAGTCTTATTTCTTGGACGCTGCTCG 1057  
 Qy 901 AGTGCCTGCAATCTCTCTGTCATGAGGCGGCTGACATTAACCTCAGCTTACCTATG 960  
 Db 1058 AGTGCCTGCAATCTCTCTGTCATGAGGCGGCTGACATTAACCTCAGCTTACCTATG 1117  
 Qy 961 AACAGCATGCTGAATCTCCGCTGTATTTATTTTCAAGCCCTCTTCCCAATTTTAC 1020  
 Db 1118 AACAGCATGCTGAATCTCCGCTGTATTTATTTTCAAGCCCTCTTCCCAATTTTAC 1177  
 Qy 1021 AACAGCTCAAAATCTCACTTGAACCCAGAGAGCGAGAGACCTCAAAACAAAGG 1080  
 Db 1178 AACAGCTCAAAATCTCACTTGAACCCAGAGAGCGAGAGACCTCAAAACAAAGG 1237  
 Qy 1081 CCGGAGAGATGCCAATTTTGAACCTGCTGTCAGAGATGTCATCATGTGGCAATTAAT 1140  
 Db 1238 CCGGAGAGATGCCAATTTTGAACCTGCTGTCAGAGATGTCATCATGTGGCAATTAAT 1297  
 Qy 1141 TTCCAAAGCCAGCTGATGAGGCAATGGGATCCCACTTGTGAGTGGCACTGA 1194  
 Db 1298 TTCCAAAGCCAGCTGATGAGGCAATGGGATCCCACTTGTGAGTGGCACTGA 1351

RESULT 4



ABA81531  
 ID ABA81531 standard; DNA; 1104 BP.  
 AC ABA81531;  
 DT 28-JAN-2002 (first entry)  
 XX  
 DE Human GPCR1c polynucleotide SEQ ID NO 4.  
 XX  
 KW Human; GPCR; G-coupled protein-receptor; cardiant; antiarteriosclerotic;  
 KW anabolic; cytoskeletal; antiviral; gene therapy; cardiomyopathy; obesity;  
 KW anorexia; diabetes; osteoporosis; Crohn's disease; multiple sclerosis;  
 KW asthma; Alzheimer's disease; Parkinson's disorder; Huntington's disease;  
 KW infection; human immunodeficiency virus; HIV; ds.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200174904-A2.  
 XX  
 PD 11-OCT-2001.  
 XX  
 PF 30-MAR-2001; 2001WO-US10241.  
 XX  
 PR 31-MAR-2000; 2000US-193664P.  
 PR 05-APR-2000; 2000US-194614P.  
 PR 06-APR-2000; 2000US-195063P.  
 PR 06-APR-2000; 2000US-195066P.  
 PR 06-APR-2000; 2000US-195067P.  
 PR 06-APR-2000; 2000US-195068P.  
 PR 06-APR-2000; 2000US-195069P.  
 PR 06-APR-2000; 2000US-195070P.  
 PR 06-APR-2000; 2000US-195510P.  
 PR 21-JUL-2000; 2000US-219855P.  
 PR 27-JUL-2000; 2000US-221284P.  
 PR 28-JUL-2000; 2000US-221325P.  
 PR 11-AUG-2000; 2000US-224588P.  
 PR 11-OCT-2000; 2000US-239613P.  
 PR 18-JAN-2001; 2001US-262508P.  
 PR 23-JAN-2001; 2001US-263433P.  
 PR 23-JAN-2001; 2001US-263604P.  
 PR 30-JAN-2001; 2001US-265161P.  
 PR 29-MAR-2001; 2001US-0823172.  
 XX  
 (CURA-) CURAGEN CORP.  
 PA  
 PI Majumder K, Vernet CAM, Casman SJ, Wolenc AR, Spaderna SK,  
 PI Padigaru M, Mishra VS, Tchernev VT, Spytek KA, Li L;  
 PI Baumgartner JC, Gusev VY;  
 DR MPI, 2001-639351/73.  
 DR P-PSDB; ABA81531.  
 XX  
 PT New human G-protein coupled receptor X, GPCR, polypeptide useful in  
 PT treatment or prevention of GPCR associated disorders e.g.  
 PT cardiomyopathy or atherosclerosis, and to screen for antagonists and  
 PT agonists useful therapeutically  
 XX  
 PS Claim 9; Page 11; 157bp; English.  
 XX  
 CC The invention relates to nucleic acid sequences (ABA81529-ABA81552) that  
 CC encode G-coupled protein-receptor related polypeptides  
 CC (ABBA4522-ABBA4543). The isolated polypeptides having a sequence differing  
 CC by no more than 15 % of amino acid residues from one of 22 amino acid  
 CC sequences (or mature forms of the sequences), fully defined in the  
 CC specification and corresponding to human G-protein coupled receptor X  
 CC (GPCRX) polypeptides. The polypeptides have potential cardiant  
 CC antiarteriosclerotic, anabolic, cytoskeletal and antiviral activity. The  
 CC polypeptides can be administered therapeutically, especially using gene  
 CC therapy and expressing the encoding DNA in vivo, to treat or prevent  
 CC GPCR-associated disorders, especially in humans. For example, they can  
 CC be used to treat/prevent cardiomyopathy, atherosclerosis, disorders  
 CC related to signal processing and metabolic pathway modulation (e.g.  
 CC obesity, anorexia), diabetes, osteoporosis, Crohn's disease, multiple

CC sclerosis, asthma, cancers, neurodegenerative disorders (e.g. Alzheimer's  
 CC disease, Parkinson's disorder, Huntington's disease), immune disorders,  
 CC haematopoietic disorders, developmental diseases, neurological disorders,  
 CC bacterial, fungal, protozoal and viral infections (e.g. with human  
 CC immunodeficiency virus (HIV)-1 or HIV-2). They can be used diagnostically  
 CC to determine the presence of or predisposition to a disease associated  
 CC with altered levels of the polypeptide in mammals (especially humans) by  
 CC detecting alterations in polypeptide expression levels relative to  
 CC control samples. They are useful to identify agents binding polypeptide  
 CC (e.g. cellular receptors or downstream effectors) and/or agents  
 CC modulating cellular polypeptide expression or activity, useful as  
 CC antagonists and agonists in disease treatment.  
 XX  
 SQ Sequence 1104 BP; 216 A; 318 C; 295 G; 275 T; 0 other;

Query Match 91.6%; Score 1093.6; DB 22; Length 1104;  
 Best Local Similarity 99.6%; Pred. No. 2.1e-297;  
 Matches 1096; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy	95	GTGCCATTGTGGGAGCTCCCTGGGCTGCTGCACCCGAGACCTGCTCTCCCGCCA	154
Db	1	GTGCCATTGTGGGAGCTCCCTGGGCTGCTGCACCCGAGACCTGCTCTCCCGCCA	60
Qy	135	TGTACAAAGGGTCTGCTGCGCATCGAGGGGACACCATCTCCAGGTGATGCGCGC	214
Db	61	TGTACAAAGGGTCTGCTGCGCATCGAGGGGACACCATCTCCAGGTGATGCGCGC	120
Qy	215	TGCTCATTTGGGCTTTGTGCGGCGCAGTAAAGGAGTGGGCTGGCTGGTGGTCT	274
Db	121	TGCTCATTTGGGCTTTGTGCGGCGCAGTAAAGGAGTGGGCTGGCTGGTGGTCT	180
Qy	275	GCTTCACATGAAGACCTGGAAGCCAGACCTGTTACCTTTCAATTTGGCGCTGCTG	334
Db	181	GCTTCACATGAAGACCTGGAAGCCAGACCTGTTACCTTTCAATTTGGCGCTGCTG	240
Qy	335	ATTTCCTCTTATGATCTGCTGCTTTTGGACAGACTATTTACCTTGAAGCTGACACT	394
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Db	301	GAGGCTTTGGGAGACATTCCTGCGAGTGGGCTCTTACGTTGGCCATGAACAGGGCG	360
Qy	455	GGAGCATGTTCTTACAGGTGTGCTGCGGACAGTATTTCAAGTGGTCCACCC	514
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Qy	515	ACCACGCGGTGAACATCTTCCACCCGGGTGGCGCTGGCATCTGTGACACCTGTGG	574
Db	421	ACCACGCGGTGAACATCTTCCACCCGGGTGGCGCTGGCATCTGTGACACCTGTGG	480
Qy	575	CCCTGGTATCTTGGGAAACAGTATCTTTTGTGAGAAACATCTGTGGTGAAGAGA	634
Db	481	CCCTGGTATCTTGGGAAACAGTATCTTTTGTGAGAAACATCTGTGGTGAAGAGA	540
Qy	635	CGGCGCTCTCTGTGAAGCTTTCATGAGATCGGCAATGCTGCGACAGCATCATGT	694
Db	541	CGGCGCTCTCTGTGAAGCTTTCATGAGATCGGCAATGCTGCGACAGCATCATGT	600
Qy	695	TCCAGCTGGAATTTCTTATGCGCTCGGCAATCTTATTTTGTCTTCAAGATTGTT	754
Db	601	TCCAGCTGGAATTTCTTATGCGCTCGGCAATCTTATTTTGTCTTCAAGATTGTT	660
Qy	755	GGAGCTGAGGCGGAGGAGAGAGTGGCCAGAGCGTGGATGGAAGAGGACCGCGT	814
Db	661	GGAGCTGAGGCGGAGGAGAGAGTGGCCAGAGCGTGGATGGAAGAGGACCGCGT	720
Qy	815	TCATCATGTGTGTGGAATTTGTTCATCATGCTTACCTGCCAGGTGTGTGCTAGAC	874
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Qy	875	TCTATTTCTTGTGACGCTGCTGAGTCCCTGCAATCTCTGTTCATGAGGCGCTG	934

Db	781	TCTATTTCCTCGGACG9GTGCGCTCGAGTGCCTGCGCATCCCTCTGTCANVG66GCCGTGC	840
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Db	841	ACATPACCCTTCAGTTTCACTTACATGAAACAGCATGCTGGAATCCCTCGGTGTTATTTTT	900
Qy	995	CAAGCCCTCTCTTCCCAAAATTCACAAAGCTCAAAATCTGCACTGGAACCAAGC	1054
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Qy	1055	AGCCAGGACACTCAAAAAACAAAGGCGGAGAGATGCCAATTTGAACTTCGGTGGCA	1114
Db	961	AGCCAGGACACTCAAAAAACAAAGGCGGAGAGATGCCAATTTGAACTTCGGTGGCA	1020
Qy	1115	GGAGTTGCATAGTGTGGCCAAATAGTTTCCAAAGCCAGTCTGATGGGCAATGGGATCCCC	1174
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Qy	1175	ACATTGTGAGTGGCAGCTGA 1194	
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XX	AAD26371	standard; cDNA; 1083 BP.	
XX	AC		
XX	AAD26371;		
XX	DT	26-MAR-2002 (first entry)	
XX	XX		
DE	Human G-protein coupled receptor 3 (GCREC-3) cDNA.		
XX	XX		
KW	Human; G-protein coupled receptor 3; cell proliferative disorder;		
KW	arteriosclerosis; hepatitis; cancer; neurological disorder; epilepsy;		
KW	Alzheimer's disease; Parkinson's disease; cardiovascular disorder;		
KW	atherosclerosis; hypertension; myocardial infarction; peptic ulcer;		
KW	gastrointestinal disorder; dysphagia; anorexia; autoimmune disorder;		
KW	acquired immune deficiency syndrome; inflammatory disorder; infection;		
KW	Addison's disease; allergy; Grave's disease; metabolic disorder; AIDS		
XX	diabetes; obesity; osteoporosis; gene therapy; GCREC-3; ss.		
OS	Homo sapiens.		
XX	XX		
XX	Key	Location/Qualifiers	
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FT	FT	sig_peptide	
FT	FT	/*tag= b	
FT	FT	139..1080	
FT	FT	/*tag= c	
XX	XX	/product= "Human mature GCREC-3 protein"	
XX	XX		
XX	XX	WO200187937-A2.	
XX	XX		
XX	XX	22-NOV-2001.	
XX	XX		
XX	XX	17-MAY-2001; 2001WO-US16285.	
XX	XX		
PR	PR	18-MAY-2000; 2000US-205628P.	
PR	PR	22-MAY-2000; 2000US-206222P.	
PR	PR	25-MAY-2000; 2000US-207566P.	
PR	PR	02-JUN-2000; 2000US-208834P.	
PR	PR	02-JUN-2000; 2000US-208861P.	
XX	XX		
PA	(INCY-)	INCYTE GENOMICS INC.	
XX	XX		
PI	Patterson C, Lu DM, Thornton M, Lu Y, Tribouley CM, Graul R;		
PI	Khan FI, Gandhi AR, Walla NK, Nguyen DB, Yue H, Hafalia A;		
PI	Elliott VS, Lal P, Reddy R, Kallick DA, Tang TY, Au-Young J;		
XX	XX		
DR	WPI; 2002-089844/12.		

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Db 421 ATCTCCAGCCGGGTGGCGCTGGCATGCTGACCTGTGGGCGCTGTCAATCTGGGA 480
Qy 592 ACAGTATATCTTTTGTGGAGAACATCTCTGCGCAAGAGACGGCGCTCTCTGTAG 651
Db 481 ACAGTATATCTTTTGTGGAGAACATCTCTGCGCAAGAGACGGCGCTCTCTGTAG 540
Qy 652 AGCTTCATCATGAGATGCGGCCAATGGCTGGCAAGCATCATGTTCCAGCTGGAGTTCTT 711
Db 541 AGCTTCATCATGAGATGCGGCCAATGGCTGGCAAGCATCATGTTCCAGCTGGAGTTCTT 600
Qy 712 ATGCCCCCTGGCATCTCTTATTTTGTCTCTTCAAGATTTGTGGAGCTGTAGGGGAGG 771
Db 601 ATGCCCCCTGGCATCTCTTATTTTGTCTCTTCAAGATTTGTGGAGCTGTAGGGGAGG 660
Qy 772 CAGCAGCTGGCCAGACAGGCTCGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 831
Db 661 CAGCAGCTGGCCAGACAGGCTCGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
Qy 832 ATTTGTTTCATCATGATGCTACCTGCGCCAGCGTGTCTGTAGACTCTATTTCTCTGAGC 891
Db 721 ATTTGTTTCATCATGATGCTACCTGCGCCAGCGTGTCTGTAGACTCTATTTCTCTGAGC 780
Qy 892 GTGCGCTCGAGTGGCTGGCATCCCTCTGTCCATGGGGCCCTTGACATTAACCTCTAGCTTC 951
Db 781 GTGCGCTCGAGTGGCTGGCATCCCTCTGTCCATGGGGCCCTTGACATTAACCTCTAGCTTC 840
Qy 952 ACCTACATGAGACAGATGCTGATCCCTGGTGTATTTTCAAGCCCTCTTCC 1011
Db 841 ACCTACATGAGACAGATGCTGATCCCTGGTGTATTTTCAAGCCCTCTTCC 900
Qy 1012 AATTTCTACACAGCTCAAAATCTGAGTGTGAACCCAGAGAGAGAGAGAGAGAGAGAG 1071
Db 901 AATTTCTACACAGCTCAAAATCTGAGTGTGAACCCAGAGAGAGAGAGAGAGAGAGAG 960
Qy 1072 ACACAAAGCCCGGAGAGAGATGCCAATTTTGAACCTGCTGCGAGAGTTGCACTAGTGTG 1131
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Qy 1132 GCAAAATGTTTCCAAAGCCAGTGTGATGGGCAATGGGATCCCACTTTTGAAGTGGGAC 1191
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Qy 1192 TGA 1194
Db 1081 TGA 1083

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RESULT 6
ABAB1529
ID ABAB1529 standard; DNA; 1050 BP.
XX
AC ABAB1529;
XX
DT 28-JAN-2002 (first entry)
XX
DE Human GPCR1a polynucleotide seq ID NO 1.
XX
KW Human; GPCR; G-coupled protein-receptor; cardiac; antiarteriosclerotic;
anabolic; cytosolic; antiviral; gene therapy; cardiomyopathy; obesity;
asthma; Alzheimer's disease; osteoporosis; Crohn's disease; multiple sclerosis;
infection; human immunodeficiency virus; HIV; de.
XX
OS Homo sapiens.
XX
PN WO200174904-A2.
XX
PD 11-OCT-2001.
XX
PF 30-MAR-2001; 2001WO-US10241.
XX
PR 31-MAR-2000; 2000US-193664P.

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PR 05-APR-2000; 2000US-194614P.
PR 06-APR-2000; 2000US-195063P.
PR 06-APR-2000; 2000US-195066P.
PR 06-APR-2000; 2000US-195067P.
PR 06-APR-2000; 2000US-195068P.
PR 06-APR-2000; 2000US-195069P.
PR 06-APR-2000; 2000US-195070P.
PR 06-APR-2000; 2000US-19510P.
PR 21-JUL-2000; 2000US-219855P.
PR 27-JUL-2000; 2000US-221284P.
PR 28-JUL-2000; 2000US-221325P.
PR 11-AUG-2000; 2000US-224588P.
PR 11-OCT-2000; 2000US-239613P.
PR 18-JAN-2001; 2001US-262508P.
PR 23-JAN-2001; 2001US-263433P.
PR 23-JAN-2001; 2001US-263604P.
PR 30-JAN-2001; 2001US-265161P.
PR 29-MAR-2001; 2001US-0823172.
XX
XX (CURA-) CURAGEN CORP.
XX
XX Majumder K, Vernet CM, Casman SJ, Wolenc AR, Spaderma SK,
PI Padigaru M, Mishu VS, Tcheuher VT, Spytek KA, Li L,
PI Baumgartner JC, Gusev VY;
XX
XX WPI; 2001-639351/73.
XX
XX P-PSDB; ABBA4522.
XX
XX New human G-protein coupled receptor X, GPCR, polypeptide useful in
PT treatment or prevention of GPCR associated disorders e.g.
PT cardiomyopathy or atherosclerosis, and to screen for antagonists and
PT agonists useful therapeutically
XX
XX Claim 9; Page 7; 157pp; English.
XX
XX The invention relates to nucleic acid sequences (ABAB1529-ABAB1552) that
XX encode G-coupled protein-receptor related polypeptides
XX (ABBA4522-ABBA4543). The isolated polypeptide having a sequence differing
XX by no more than 15 % of amino acid residues from one of 22 amino acid
XX sequences (or mature forms of the sequences), fully defined in the
XX specification and corresponding to human G-protein coupled receptor X
XX (GPCR) polypeptides. The polypeptides have potential cardiac,
XX antiarteriosclerotic, anabolic, cytosolic and antiviral activity. The
XX polypeptides can be administered therapeutically, especially using gene
XX therapy and expressing the encoding DNA in vivo, to treat or prevent
XX GPCR-associated disorders, especially in humans. For example, they can
XX be used to treat/prevent cardiomyopathy, atherosclerosis, disorders
XX related to signal processing and metabolic pathway modulation (e.g.
XX obesity, anorexia), diabetes, osteoporosis, Crohn's disease, multiple
XX sclerosis, asthma, cancers, neurodegenerative disorders (e.g. Alzheimer's
XX disease, Parkinson's disorder, Huntington's disease), immune disorders,
XX haematopoietic disorders, developmental diseases, neurological disorders,
XX bacterial, fungal, protozoal and viral infections (e.g. with human
XX immunodeficiency virus (HIV)-1 or HIV-2). They can be used diagnostically
XX to determine the presence of or predisposition to a disease associated
XX with altered levels of the polypeptide in mammals (especially humans) by
XX detecting alterations in polypeptide expression levels relative to
XX control samples. They are useful to identify agents binding polypeptide
XX (e.g. cellular receptors or downstream effector) and/or agents
XX modulating cellular polypeptide expression or activity, useful as
XX antagonists and agonists in disease treatment.
XX
XX Sequence 1050 BP; 211 A; 299 C; 279 G; 261 T; 0 other;
SO

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Query Match 87.5%; Score 1044.4; DB 22; Length 1050;
Best Local Similarity 99.9%; Pred. No. 1.5e-283;
Matches 1045; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 149 CGCCGATGATCAAGGAGGCTGCTGCGCATGAGAGGAGACACATCTCCAGATGAC 208
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Qy 209 CGCGCTGCTCATTTGTGGCTTTGTGTGGGCGCATAGGCAATGGAGTGGCTGTGTG 268

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Db 61 CGCCGCTGCTATTTGGCCCTTTGTGCTGGGCACTGAGGATGGGCTGCTGTG 120
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Qy 329 TGGCTGATTTCTCTTATGATCTGCTGCTTTTGGAGAGACTATTTACCTCAGACGTA 388
Db 181 TGGCTGATTTCTCTTATGATCTGCTGCTTTTGGAGAGACTATTTACCTCAGACGTA 240
Qy 389 GACACTGGGCTTTTGGGAGACATTCCTGCGAGTGGGCTCTTCACTGCTGGCATGAACA 448
Db 241 GACACTGGGCTTTTGGGAGACATTCCTGCGAGTGGGCTCTTCACTGCTGGCATGAACA 300
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Qy 509 ACCCCACACAGCGGCTGAAACATCTTCCACCCGGGTGGGCTGGCATGCTGCAACC 568
Db 361 ACCCCACACAGCGGCTGAAACATCTTCCACCCGGGTGGGCTGGCATGCTGCAACC 420
Qy 569 TGTGGGCTGTGATCTCTGGGAAACAGTATCTTTTGTGGAAGAACATCTGCGGTG 628
Db 421 TGTGGGCTGTGATCTCTGGGAAACAGTATCTTTTGTGGAAGAACATCTGCGGTG 480
Qy 629 AAGAGAGCGCGCTCTCTGTGAGAGCTTTCATCATGAGTGGGCAATGCTGGCAGACA 688
Db 481 AAGAGAGCGCGCTCTCTGTGAGAGCTTTCATCATGAGTGGGCAATGCTGGCAGACA 540
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Db 1021 ATCCCAACATTTGATGAGTGGCACTGA 1046

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RESULT 7  
 ABA81530  
 ID  
 ABA81530 standard; DNA; 1050 BP.  
 AC ABA81530;

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XX 28-JAN-2002 (first entry)
DT
XX
XX Human GPCR1b polynucleotide SEQ ID NO 3.
DE
XX
XX Human, GPCR, G-coupled protein-receptor; cardiac; antiarteriosclerotic;
KW anabolic; cytoskeletal; antiviral; gene therapy; cardiomyopathy; obesity;
KW anorexia; diabetes; osteoporosis; Crohn's disease; multiple sclerosis;
KW asthma; Alzheimer's disease; Parkinson's disorder; Huntington's disease;
KW infection; human immunodeficiency virus; HIV; ds.
XX
OS Homo sapiens.
XX
XX WO200174904-A2.
XX
XX 11-OCT-2001.
XX
XX 30-MAR-2001; 2001WO-US10241.
XX
XX 31-MAR-2000; 2000US-19364P.
XX 05-APR-2000; 2000US-194614P.
XX 06-APR-2000; 2000US-195063P.
XX 06-APR-2000; 2000US-195066P.
XX 06-APR-2000; 2000US-195067P.
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XX 06-APR-2000; 2000US-195069P.
XX 06-APR-2000; 2000US-19510P.
XX 21-JUL-2000; 2000US-219855P.
XX 27-JUL-2000; 2000US-221284P.
XX 28-JUL-2000; 2000US-221325P.
XX 11-AUG-2000; 2000US-224588P.
XX 11-OCT-2000; 2000US-239613P.
XX 18-JAN-2001; 2001US-262508P.
XX 23-JAN-2001; 2001US-263433P.
XX 23-JAN-2001; 2001US-263604P.
XX 30-JAN-2001; 2001US-265161P.
XX 29-MAR-2001; 2001US-0823172.
XX
XX (CURA-) CURAGEN CORP.
XX
XX Majumder K, Vernet CM, Caeman SJ, Wolenc AR, Spaderna SK;
P1 Padigaru M, Mishra VS, Tchervet VT, Spytek KA, Li L;
P1 Baumgartner JC, Gusev VY;
XX
XX MPI; 2001-639351/73.
XX
XX P-PSDB; ABB44522.
XX
XX New human G-protein coupled receptor X, GPCR, polypeptide useful in
PT treatment or prevention of GPCR associated disorders e.g.
PT cardiomyopathy or arteriosclerosis, and to screen for antagonists and
PT agonists useful therapeutically.
XX
XX Claim 9; Page 10; 157p; English.
XX
XX The invention relates to nucleic acid sequences (ABA81529-ABA81552) that
XX encode G-coupled protein-receptor related polypeptides
XX (ABA44522-ABA44543). The isolated polypeptide having a sequence differing
XX by no more than 15 % of amino acid residues from one of 22 amino acid
XX sequences (or mature forms of the sequences), fully defined in the
XX specification and corresponding to human G-protein coupled receptor X
XX (GPCR) polypeptides. The polypeptides have potential cardiac,
XX antiarteriosclerotic, anabolic, cytoskeletal and antiviral activity.
XX polypeptides can be administered therapeutically, especially using gene
XX therapy and expressing the encoding DNA in vivo, to treat or prevent
XX GPCR-associated disorders, especially in humans. For example, they can
XX be used to treat/prevent cardiomyopathy, arteriosclerosis, disorders
XX related to signal processing and metabolic pathway modulation (e.g.
XX obesity, anorexia), diabetes, osteoporosis, Crohn's disease, multiple
XX sclerosis, asthma, cancers, neurodegenerative disorders (e.g. Alzheimer's
XX disease, Parkinson's disorder, Huntington's disease), immune disorders,
XX hematopoietic disorders, developmental diseases, neurological disorders,
XX bacterial, fungal, protozoal and viral infections (e.g. with human

```



CC response in a cell or tissue that expresses the protein, in biological  
 CC assays related to GPCRs that are related to members of the chemokine  
 CC receptor subfamily, in drug screening assays and in competition binding  
 CC assays. GPCR is also useful in diagnosing a disease or predisposition to  
 CC a disease mediated by the peptide, in pharmacogenomic analysis. The  
 CC polynucleotide sequences can also be used in gene therapy. The present  
 CC sequence encodes for the novel human GPCR of the invention.

XX Sequence 1041 BP; 208 A; 294 C; 278 G; 261 T; 0 other;

Query Match 87.1%; Score 1039.4; DB 22; Length 1041;  
 Best Local Similarity 99.9%; Pred. No. 3,7e-282;  
 Matches 1040; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 154 ATGACAAACGGGTCGTCTGCTCCGATCGAGAGGAGACACATCTCCAGATGCCCGG 213  
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 DB 121 TGCTTCCACATGAGACCTGGAAGCCAGACACTGTTTACTTTTCAATTTGGCGGTGGCT 180  
 QY 334 GATTTCCTCTTATGATCTGCTGCTCTTTTCGACAGACTATTACTCAGACCTAGACAC 393  
 DB 181 GATTTCCTCTTATGATCTGCTGCTCTTTTCGACAGACTATTACTCAGACCTAGACAC 240  
 QY 394 TGGGCTTTGGGAGCATTTCCCTGCGAGTGGGGCTCTTTCAGTTGGCCATGAACAGGGCC 453  
 DB 241 TGGGCTTTGGGAGCATTTCCCTGCGAGTGGGGCTCTTTCAGTTGGCCATGAACAGGGCC 300  
 QY 454 GGGAGCATCGTGTCTCTTAAGGTGTGGTGGTGGCGACAGATTTTCAAGTGTCCACCCC 513  
 DB 301 GGGAGCATCGTGTCTCTTAAGGTGTGGTGGTGGCGACAGATTTTCAAGTGTCCACCCC 360  
 QY 514 CACCACCGGAGAACATATCTCCACCCGGGTGGGCTGGCATCTGCTGACCCCTGTGGT 573  
 DB 361 CACCACCGGAGAACATATCTCCACCCGGGTGGGCTGGCATCTGCTGACCCCTGTGGT 420  
 QY 574 GCCCTGATCTCTGGAGACATGATCTTTTGTGGAGAACCATCTCTGCTGCAAGAG 633  
 DB 421 GCCCTGATCTCTGGAGACATGATCTTTTGTGGAGAACCATCTCTGCTGCAAGAG 480  
 QY 634 ACCGCTCTCTCTGTGAGACTTCATATGAGTTCGACCAATGGCTGGGACGACATCATG 693  
 DB 481 ACCGCTCTCTCTGTGAGACTTCATATGAGTTCGACCAATGGCTGGGACGACATCATG 540  
 QY 694 TTCCAGCTGAGATTCTTATATGCCCCCTCGGACATCTTATTTTGTCTCCTTCAAGATTGTT 753  
 DB 541 TTCCAGCTGAGATTCTTATATGCCCCCTCGGACATCTTATTTTGTCTCCTTCAAGATTGTT 600  
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 QY 814 TTTCATCATGTGTGGGCAATTTGTGTATATCATATGCTACTGCTCCAGCGTGTCTTA 873  
 DB 661 TTTCATCATGTGTGGGCAATTTGTGTATATCATATGCTACTGCTCCAGCGTGTCTTA 720  
 QY 874 CTCTATTCTCTGAGAGGTGCTCTGAGTGGCTCGGATCCCTGTGCTCAATGGGCGCTG 933  
 DB 721 CTCTATTCTCTGAGAGGTGCTCTGAGTGGCTCGGATCCCTGTGCTCAATGGGCGCTG 780  
 QY 934 CACATAACCTCTAGCTTACCTTACATGAACAGATGTGATCCCTGTGTATTTATTTT 993  
 DB 781 CACATAACCTCTAGCTTACCTTACATGAACAGATGTGATCCCTGTGTATTTATTTT 840  
 QY 994 TCAAGCCCTCTCTTCCCAATTTCTACAAAGCTCAAAATCTGCAAGTGTGAACCCAG 1053  
 DB 841 TCAAGCCCTCTCTTCCCAATTTCTACAAAGCTCAAAATCTGCAAGTGTGAACCCAG 900

QY 1054 CAGCAGACACTCAAAAACAAAGGCGGAGAGATGCCAATTTGAACTTCGTGCG 1113  
 DB 901 CAGCAGACACTCAAAAACAAAGGCGGAGAGATGCCAATTTGAACTTCGTGCG 960  
 QY 1114 AGGAGTTCATCAGTGTGGCAATAGTTTCCAAAGCCAGTGTGATGGGCAATGGATCCC 1173  
 DB 961 AGGAGTTCATCAGTGTGGCAATAGTTTCCAAAGCCAGTGTGATGGGCAATGGATCCC 1020  
 QY 1174 CACATTTGTGATGGCACTGA 1194  
 DB 1021 CACATTTGTGATGGCACTGA 1041

RESULT 9  
 AAS07946  
 ID AAS07946 standard; cDNA; 1041 BP.  
 XX  
 AC AAS07946;  
 XX  
 DT 23-OCT-2001 (first entry)  
 XX  
 DE Human cDNA encoding G-protein coupled receptor, hrup19.  
 XX  
 KW Human; G-protein coupled receptor; GPCR; hrup19; agonist;  
 KW inverse agonist; lung cancer; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT 1..1041  
 FT /\*tag= a  
 FT /product= "hrup19"  
 XX  
 EN W0200136471-A2.  
 XX  
 PD 25-MAY-2001.  
 XX  
 PF 16-NOV-2000; 2000WO-US31509.  
 XX  
 PR 17-NOV-1999; 99US-0166088.  
 PR 17-NOV-1999; 99US-0166099.  
 PR 17-NOV-1999; 99US-0166369.  
 PR 23-DEC-1999; 99US-0171900.  
 PR 23-DEC-1999; 99US-0171901.  
 PR 23-DEC-1999; 99US-0171902.  
 PR 11-FEB-2000; 2000US-0181749.  
 PR 14-MAR-2000; 2000US-0189258.  
 PR 14-MAR-2000; 2000US-0189259.  
 PR 10-APR-2000; 2000US-0195898.  
 PR 10-APR-2000; 2000US-0195899.  
 PR 10-APR-2000; 2000US-0196078.  
 PR 28-APR-2000; 2000US-0200419.  
 PR 12-MAY-2000; 2000US-0203630.  
 PR 12-JUN-2000; 2000US-0210741.  
 PR 12-JUN-2000; 2000US-0210982.  
 PR 21-AUG-2000; 2000US-0226760.  
 PR 26-SEP-2000; 2000US-0235418.  
 PR 26-SEP-2000; 2000US-0235779.  
 PR 20-OCT-2000; 2000US-0242332.  
 PR 20-OCT-2000; 2000US-0242343.  
 XX  
 PA (AREN-) ARENA PHARM INC.  
 XX  
 PI Chen R, Dang HT, Lowitz KP;  
 XX  
 DR WPI; 2001-355616/37.  
 DR P-PSDB; AAU04373.  
 XX  
 PT Endogenous and non-endogenous versions of human G-protein coupled  
 PT receptors for direct identification of candidate compounds as agonists,  
 PT inverse agonists or partial agonists for use as therapeutic agents -

PS Claim 47; Page 110; 159pp; English.

XX The sequence encodes a human G-protein coupled receptor (GPCR),  
 CC hRHP19. The endogenous and non-endogenous, constitutively activated  
 CC versions of human G-protein coupled receptors (GPCR), are useful for  
 CC direct identification of candidate compounds as receptor agonists.  
 CC inverse agonists or partial agonists having applicability as therapeutic  
 CC agents for treating diseases related to GPCR, e.g. lung cancer.  
 CC Non-endogenous version of human GPCRs are also utilized in research  
 CC settings and in vitro and in vivo system, incorporating GPCRs can be  
 CC utilized to elucidate and understand the roles these receptors  
 CC play in the human condition, both normal and diseased.

XX Sequence 1041 BP; 208 A; 294 C; 278 G; 261 T; 0 other;

Query Match 87.1%; Score 1039.4; DB 22; Length 1041;  
 Best Local Similarity 99.9%; Pred. No. 3.7e-282;  
 Matches 1040; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 154 ATGTACAAAGGGTCTGCTGCTGCGCATCGAAGGGGACACCATCTCCAGGTATGCCCGC 213  
 DB 1 ATGTACAAAGGGTCTGCTGCTGCGCATCGAAGGGGACACCATCTCCAGGTATGCCCGC 60

QY 214 CTGCTCATTTGGCCCTTTGCTGGCGGCACTAGGCAATGGGTCGCCCTGTGTTTC 273  
 DB 61 CTGCTCATTTGGCCCTTTGCTGGCGGCACTAGGCAATGGGTCGCCCTGTGTTTC 120

QY 274 TGGCTTCACATGAAGACCTGGAAGCCAGCACTGTTACTTTTCAATTTGGCGTGGCT 333  
 DB 121 TGGCTTCACATGAAGACCTGGAAGCCAGCACTGTTACTTTTCAATTTGGCGTGGCT 180

QY 334 GATTTCCTCTTATGATGATGCTGCTGCTTTTGGAGACATATACCTGAGAGAC 393  
 DB 181 GATTTCCTCTTATGATGATGCTGCTGCTTTTGGAGACATATACCTGAGAGAC 240

QY 394 TGGGCTTTTGGGAGACATTTCCCGAGATGGGGCTTTCAAGTTGGCCATGAACAGGCC 453  
 DB 241 TGGGCTTTTGGGAGACATTTCCCGAGATGGGGCTTTCAAGTTGGCCATGAACAGGCC 300

QY 454 GGGAGCATGCTGTTCTTACAGGTGGGCTGGAGAGGATATTTCAAGTGGTCAACCC 513  
 DB 301 GGGAGCATGCTGTTCTTACAGGTGGGCTGGAGAGGATATTTCAAGTGGTCAACCC 360

QY 514 CACCAAGCGGTGAGACATATCTCCACCCGGGAGTGGCGCTGAGCATGCTGAG 573  
 DB 361 CACCAAGCGGTGAGACATATCTCCACCCGGGAGTGGCGCTGAGCATGCTGAG 420

QY 574 GCGCTGCTCATCTCGGGAACAGTATCTTTTGTGAGAAACATCTCTGCTGGAAG 633  
 DB 421 GCGCTGCTCATCTCGGGAACAGTATCTTTTGTGAGAAACATCTCTGCTGGAAG 480

QY 634 ACGGCGCTCTCTGAGAGCTTTCATGAGTGGGCAATGGCTGAGCAAGCATG 693  
 DB 481 ACGGCGCTCTCTGAGAGCTTTCATGAGTGGGCAATGGCTGAGCAAGCATG 540

QY 694 TTCCAGCTGAGTCTTTATATGCCCCCTCGGCATCATTTATTTGCTCTTCAAGTTGTT 753  
 DB 541 TTCCAGCTGAGTCTTTATATGCCCCCTCGGCATCATTTATTTGCTCTTCAAGTTGTT 600

QY 754 TGGAGCTTGAAGCGGAGGAGAGAGCTGGGCAAGGCTCGGATGAAGAAGCGACCCG 813  
 DB 601 TGGAGCTTGAAGCGGAGGAGAGAGCTGGGCAAGGCTCGGATGAAGAAGCGACCCG 660

QY 814 TTTCATCATGATGAGTGAATTTGTTTCATCATGATGAGTGAATTTGTTTCATGATGAG 873  
 DB 661 TTTCATCATGATGAGTGAATTTGTTTCATCATGATGAGTGAATTTGTTTCATGATGAG 720

QY 874 CTCTATTTCTTGAAGCGGTGCTGAGTGGCTGAGTCCCTGCTGTCATGAGGCGCTG 933  
 DB 721 CTCTATTTCTTGAAGCGGTGCTGAGTGGCTGAGTCCCTGCTGTCATGAGGCGCTG 780

QY 934 CACATTAACCTTGAAGTTCATCTTACATGAACAGATGCTGAGTCCCTGCTGATTTATTTT 993

DB 781 CACATTAACCTTGAAGTTCATCTTACATGAACAGATGCTGAGTCCCTGCTGATTTATTTT 840

QY 994 TCAAGCCCTCTCTTTCCCAATTTTCAACAAGCTCAAAATGTCAGTGAACCCAG 1053  
 DB 841 TCAAGCCCTCTCTTTCCCAATTTTCAACAAGCTCAAAATGTCAGTGAACCCAG 900

QY 1054 CAGCCAGGACATCTCAAAACACAAAGCCCGGAGAGATGCGCAATTTGCAACTCGGTGCG 1113  
 DB 901 CAGCCAGGACATCTCAAAACACAAAGCCCGGAGAGATGCGCAATTTGCAACTCGGTGCG 960

QY 1114 AGGAGTTGATCATGATGAGTGGCAATAGTTTCCAAAGCAGTCTGATGGCAATGGATCCC 1173  
 DB 961 AGGAGTTGATCATGATGAGTGGCAATAGTTTCCAAAGCAGTCTGATGGCAATGGATCCC 1020

QY 1174 CACATTTGATGAGTGGCACTGA 1194  
 DB 1021 CACATTTGATGAGTGGCACTGA 1041

RESULT 10  
 AAH51008  
 ID AAH51008 standard; DNA; 1041 BP.  
 XX  
 AC AAH51008;  
 XX  
 DT 28-AUG-2001 (first entry)  
 XX  
 DE Human nGPCR11 coding sequence #2.  
 XX  
 KW G protein-coupled receptor; nGPCR; seven transmembrane receptor;  
 KW signal transduction; schizophrenia; thyroid disorder; renal failure;  
 KW rheumatoid arthritis; CNS disorder; infection; metabolic disease;  
 KW cardiovascular disease; proliferative disorder; hormonal disorder;  
 KW neurological disorder; neuronal disorder; Alzheimer's disease; cancer;  
 KW attention deficit-hyperactivity disorder; attention deficit disorder;  
 KW Parkinson's disease; migraine; senile dementia; inflammatory disease;  
 KW rheumatoid arthritis; autoimmune disorder; respiratory ailment;  
 KW neuroprotective; ds.  
 XX  
 OS Homo sapiens.  
 XX  
 PN MO200136473-A2.  
 XX  
 PD 25-MAY-2001.  
 XX  
 PF 16-NOV-2000; 2000MO-US31581.  
 XX  
 PR 16-NOV-1999; 99US-0165838.  
 PR 17-NOV-1999; 99US-0166071.  
 PR 19-NOV-1999; 99US-016678.  
 PR 28-DEC-1999; 99US-0173396.  
 PR 22-FEB-2000; 2000US-0184129.  
 PR 28-FEB-2000; 2000US-0185421.  
 PR 28-FEB-2000; 2000US-0185554.  
 PR 02-MAR-2000; 2000US-0186530.  
 PR 03-MAR-2000; 2000US-0186811.  
 PR 09-MAR-2000; 2000US-0188114.  
 PR 17-MAR-2000; 2000US-0190310.  
 PR 21-MAR-2000; 2000US-0190800.  
 PR 20-APR-2000; 2000US-0198568.  
 PR 02-MAY-2000; 2000US-0201190.  
 PR 08-MAY-2000; 2000US-0203111.  
 PR 25-MAY-2000; 2000US-0207094.  
 XX  
 PA (PHMA) PHARMACIA & UPJOHN CO.  
 XX  
 PI Vogeli G, Wood LS, Parodi LA, Hiesch RR, Lind P, Slightom J,  
 PI Schellin KA, Kayes PS, Bannigan CM, Ruff V, Sejlitz T, Ruff RM;  
 DR WPI; 2001-389826/41.  
 DR P-PSDB; AAG80968.  
 XX  
 PT New G protein-coupled receptor (nGPCR-x) and its encoding







DR P-PSDB; AA014788.

XX New purine-like G-protein coupled receptor AXOR87 polypeptide and  
 PT polymorphic, useful for treating diseases related to autoimmunity,  
 PT inflammation, immunodeficiency, or bacterial, fungal, viral and  
 PT protozoal infections

XX Claim 5; Page 36; 47pp; English.

XX The invention comprises the amino acid and coding sequence of the human  
 CC purine-like G-protein coupled receptor AXOR87. The AXOR87 DNA and  
 CC protein sequences of the invention may be used for treating diseases  
 CC related to immunity, autoimmunity, inflammation, immunodeficiency, and  
 CC infections (i.e. bacterial, fungal, viral, protozoan). The AXOR87 DNA and  
 CC protein sequences are particularly useful for treating: cancer, diabetes,  
 CC obesity, anorexia, bulimia, asthma, psoriasis, rheumatoid arthritis,  
 CC osteoarthritis, as well as psychotic and neurological disorders.  
 CC The AXOR87 DNA and protein sequences may also be used as  
 CC vaccines. The present DNA sequence (located on chromosome 12q24) encodes  
 CC the human AXOR87 protein.

XX Sequence 1041 BP; 208 A; 294 C; 278 G; 261 T; 0 other:

Query Match 87.1%; Score 1039.4; DB 24; Length 1041;  
 Best Local Similarity 99.9%; Pred. No. 3.7e-282;  
 Matches 1040; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 154 ATGTACAAAGGGGCTGCTGCGCATCGAGGGGAGACCATCTCCAGGTGATGCGCGC 213  
 DB 1 ATGTACAAAGGGGCTGCTGCGCATCGAGGGGAGACCATCTCCAGGTGATGCGCGC 60

QY 214 CTGCTCATTTGGGCTTTGCTGGGCGCATAGGCAATGGGGTGCCTGTGTGTTTC 273  
 DB 61 CTGCTCATTTGGGCTTTGCTGGGCGCATAGGCAATGGGGTGCCTGTGTGTTTC 120

QY 274 TCGTTCACATGAAGACCTGGAAGCCAGACCTGTTTACCTTTCAATTTGGCGTGCCT 333  
 DB 121 TCGTTCACATGAAGACCTGGAAGCCAGACCTGTTTACCTTTCAATTTGGCGTGCCT 180

QY 334 GATTTCCCTTATGATGCTGCGCTTTTGGAGACATATTACCTGAGAGTGAAC 393  
 DB 181 GATTTCCCTTATGATGCTGCGCTTTTGGAGACATATTACCTGAGAGTGAAC 240

QY 394 TGGGCTTTTGGGACATTCCTGCGAGTGGGCTTTTACGCTGGCCATGAACAGGGCC 453  
 DB 241 TGGGCTTTTGGGACATTCCTGCGAGTGGGCTTTTACGCTGGCCATGAACAGGGCC 300

QY 454 GGGAGCATGTGTTCTTACGCTGGTGGTGGGACAGTATTTCAAGTGTCCACCC 513  
 DB 301 GGGAGCATGTGTTCTTACGCTGGTGGTGGGACAGTATTTCAAGTGTCCACCC 360

QY 514 CACCAAGGGGTAACATCTTCACCGGGGGTGGGCGCTGAGCTGCAACCTGTG 573  
 DB 361 CACCAAGGGGTAACATCTTCACCGGGGGTGGGCGCTGAGCTGCAACCTGTG 420

QY 574 GCGCTGTGATCTGAGGAACAGTATCTTTTCTGAGAACCATCTCGCTGCAAG 633  
 DB 421 GCGCTGTGATCTGAGGAACAGTATCTTTTCTGAGAACCATCTCGCTGCAAG 480

QY 634 AGGCGCTCTCTGTGAGAGCTTCAATGAGTGGGCAATGGCTGGACACATCATG 693  
 DB 481 AGGCGCTCTCTGTGAGAGCTTCAATGAGTGGGCAATGGCTGGACACATCATG 540

QY 694 TTCCAGCTGAGTCTTTTATGCGCGCTGAGCTATTTTGGCTTCAAGTTGTT 753  
 DB 541 TTCCAGCTGAGTCTTTTATGCGCGCTGAGCTATTTTGGCTTCAAGTTGTT 600

QY 754 TGGAGCTTGAAGGAGGAGAGAGCTGCGCAGACAGCTCGATGAAGAGCGAG 813  
 DB 601 TGGAGCTTGAAGGAGGAGAGAGCTGCGCAGACAGCTCGATGAAGAGCGAG 660

QY 814 TTTCATATGTTGGTGGCAATTTGTTTCATCACTGCTACCTGCCAGCGTGTCTGTA 873

DB 661 TTTCATATGTTGGTGGCAATTTGTTTCATCACTGCTACCTGCCAGCGTGTCTGTA 720

QY 874 CTCTATTTCTCTGAGAGGTCCTGAGTGGCTGAGTCCCTGTGTCATGGGCGCTG 933

DB 721 CTCTATTTCTCTGAGAGGTCCTGAGTGGCTGAGTCCCTGTGTCATGGGCGCTG 780

QY 934 CACATTAACCTTCACTTACCTTACATGAACAGATGCTGATCCCTGTGTTATTTT 993

DB 781 CACATTAACCTTCACTTACCTTACATGAACAGATGCTGATCCCTGTGTTATTTT 840

QY 994 TCAAGCCCTCTCTTCCCAATTTCAACAGCTCAAAATGTCAGTGAACCCAG 1053

DB 841 TCAAGCCCTCTCTTCCCAATTTCAACAGCTCAAAATGTCAGTGAACCCAG 900

QY 1054 CAGCAGAGCACTCAAAACACAAAGCGGAGAGATGCCAATTTGAACTCGTGC 1113

DB 901 CAGCAGAGCACTCAAAACACAAAGCGGAGAGATGCCAATTTGAACTCGTGC 960

QY 1114 AGAGTTGATCATGTTGCAATTAAGTTTCAAGCCAGTCTGATGGCAATGGATCC 1173

DB 961 AGAGTTGATCATGTTGCAATTAAGTTTCAAGCCAGTCTGATGGCAATGGATCC 1020

QY 1174 CACATTTGATGGGCACTGA 1194

DB 1021 CACATTTGATGGGCACTGA 1041

RESULT 12  
 AAD27497  
 ID AAD27497 standard; DNA; 1041 BP.

XX AAD27497;  
 AC AAD27497;  
 DT 18-APR-2002 (first entry)  
 XX

DE Human G-protein coupled receptor (GPCRx14) DNA.

XX Human; G-protein coupled receptor; GPCRx14; cerebroprotective; vomiting;  
 KW receptor-mediated disorder; therapy; urinary retention; allergy; obesity;  
 KW osteoporosis; angina pectoris; restenosis; atherosclerosis; hypotension;  
 KW anorexia; tumour; migraine; acute heart failure; ulcer; antiinflammatory;  
 KW stroke; hypertension; neuronal disorder; myocardial infarction psychotic;  
 KW depression; mental retardation; neurodegenerative disease; antibacterial;  
 KW Alzheimer's disease; dementia; ischaemia; Parkinson's disease; antiviral;  
 KW Huntington's disease; anxiety; antifungal; immunosuppressive; cytostatic;  
 KW vulnery; analgesic; anorectic; anabolic; diuretic; cardiant; nootropic;  
 KW antiemetic; vasotropic; diabetes; cancer; tranquilizer; neuroleptic; ds.

XX Homo sapiens.  
 OS  
 XX

PH Key Location/Qualifiers  
 FT CDS 1..1041  
 FT /tag= a  
 FT /product= "Human GPCRx14 protein"

XX WO200198330-A2.  
 XX  
 XX PD 27-Dec-2001.  
 XX

XX 20-JUN-2001; 2001WO-BE00104.  
 XX  
 XX PF 20-JUN-2000; 2000US-212913P.  
 XX PR 11-JUL-2000; 2000US-217494P.  
 XX PR 26-JAN-2001; 2001EP-0870015.  
 XX PR 12-FEB-2001; 2001EP-0870024.  
 XX

XX (EURO-) EUROSCREEN SA.  
 XX  
 XX PI Lannoy V, Brezillon S, Delheux M, Parmentier M, Govarts C;  
 XX WPI: 2002-130789/17.  
 XX DR P-PSDB; AA017077.  
 XX



PT inflammations, including gene therapy -  
 XX  
 PS Claim 6, Page 94-95; 101pp; Japanese.  
 XX  
 CC This invention relates to a human lipocyte-originated G protein-coupled  
 CC receptor proteins TGR13, thought to be anti-inflammatory and anorectic in  
 CC their action. The proteins and encoded DNAs are for use in developing  
 CC drugs to treat obesity and inflammation, including gene therapy.  
 CC The present sequence represents the human lipocyte-originated G  
 CC protein-coupled receptor protein TGR13 encoding sequence.  
 XX  
 SQ Sequence 1038 BP; 207 A; 294 C; 277 G; 260 T; 0 other;

Query Match 86.8%; Score 1036.4; DB 24; Length 1038;  
 Best Local Similarity 99.9%; Pred. No. 2.6e-281;  
 Matches 1037; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 154 ATGTCAACGCGGTCTGTCGCGCGGACACACATCTCCAGATGATGCGCGCG 213  
 DB 1 ATGTCAACGCGGTCTGTCGCGCGGACACACATCTCCAGATGATGCGCGCG 60  
 QY 214 CTGCTCATGTTGGCTTTGCTGCTGCGCGGACACATGAGGATGAGGCTGCTG 273  
 DB 61 CTGCTCATGTTGGCTTTGCTGCTGCGCGGACACATGAGGATGAGGCTGCTG 120  
 QY 274 TCGCTTCACATGAAGACTGGAAGCCAGACTGTTTACCTTTCAATTGGCGGCT 333  
 DB 121 TCGCTTCACATGAAGACTGGAAGCCAGACTGTTTACCTTTCAATTGGCGGCT 180  
 QY 334 GATTTCCCTCCTTATGATGCTGCTGCTTTGGAGACATATTAAGCTGAGACAC 393  
 DB 181 GATTTCCCTCCTTATGATGCTGCTGCTTTGGAGACATATTAAGCTGAGACAC 240  
 QY 394 TGGGCTTTTGGGAGACTTCCCTGCGGAGTGGGCTCTTCACTTGCCATGAACGAGCC 453  
 DB 241 TGGGCTTTTGGGAGACTTCCCTGCGGAGTGGGCTCTTCACTTGCCATGAACGAGCC 300  
 QY 454 GGGAGCATGTTGCTCTTACGAGTGGTGGCTGCGGACAGTATTTTCAAGTGGTCCACCC 513  
 DB 301 GGGAGCATGTTGCTCTTACGAGTGGTGGCTGCGGACAGTATTTTCAAGTGGTCCACCC 360  
 QY 514 CACCAACGCGGTGAACATATCTCCACCGGAGTGGGCTGCGCATGCTGCACTCTGTGG 573  
 DB 361 CACCAACGCGGTGAACATATCTCCACCGGAGTGGGCTGCGCATGCTGCACTCTGTGG 420  
 QY 574 GCGCTGATCTCTGAGGAAAGATGATCTTTGCTGAGAAACATCTGCGGTGCAAGAG 633  
 DB 421 GCGCTGATCTCTGAGGAAAGATGATCTTTGCTGAGAAACATCTGCGGTGCAAGAG 480  
 QY 634 AGGCGCTGCTCTGAGAGCTTTCATCATGAGTGGGCTGCGCATGCTGCACTCTGTG 693  
 DB 481 AGGCGCTGCTCTGAGAGCTTTCATCATGAGTGGGCTGCGCATGCTGCACTCTGTG 540  
 QY 694 TTCCAGCTGGAAGTTCTTATGCCCCCTGGGACATCTTATTTGCTCTTCAAGTTGTT 753  
 DB 541 TTCCAGCTGGAAGTTCTTATGCCCCCTGGGACATCTTATTTGCTCTTCAAGTTGTT 600  
 QY 754 TGAAGCTGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 813  
 DB 601 TGAAGCTGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660  
 QY 814 TTTCATCATGTTGTTGCAATTTGTTTCATCATGCTTCTGCGGAGGCTGCTGCTGAGA 873  
 DB 661 TTTCATCATGTTGTTGCAATTTGTTTCATCATGCTTCTGCGGAGGCTGCTGCTGAGA 720  
 QY 874 CTCTATTTCTCTGAGAGGTCCTCTGAGTGGCTGCGCATCTCTGCTGCAATGGGCGCTG 933  
 DB 721 CTCTATTTCTCTGAGAGGTCCTCTGAGTGGCTGCGCATCTCTGCTGCAATGGGCGCTG 780  
 QY 934 CACATTAACCTCAGCTTCACTTACATGAACAGACATGCTGATCCCTGATATTTT 993  
 DB 781 CACATTAACCTCAGCTTCACTTACATGAACAGACATGCTGATCCCTGATATTTT 840

QY 994 TCAAGCCCTCTCTTTCCCAATTTCTACACAGCTCAAAATCTGCGAGTGAACCCAG 1053  
 DB 841 TCAAGCCCTCTCTTTCCCAATTTCTACACAGCTCAAAATCTGCGAGTGAACCCAG 900  
 QY 1054 CAGCAGGACACTCAAAACACAAAGCGGAGGAGATGCGCAATTTGCAACCTCGGTGCG 1113  
 DB 901 CAGCAGGACACTCAAAACACAAAGCGGAGGAGATGCGCAATTTGCAACCTCGGTGCG 960  
 QY 1114 AGGAGTTGATCAGTGTGGCAATAGTTTCCAAAGCCAGTCTGATGGGCAATGGATCC 1173  
 DB 961 AGGAGTTGATCAGTGTGGCAATAGTTTCCAAAGCCAGTCTGATGGGCAATGGATCC 1020  
 QY 1174 CACATTGTTGATGGGAC 1191  
 DB 1021 CACATTGTTGATGGGAC 1038

RESULT 14

AAH50974  
 ID AAH50974 standard; DNA; 888 BP.

XX  
 AC AAH50974;

XX  
 DT 28-AUG-2001 (first entry)

XX  
 DE Human nGPCR11 coding sequence #1.

XX  
 KW G protein-coupled receptor; nGPCR; seven transmembrane receptor;  
 KW signal transduction; schizophrenia; thyroid disorder; renal failure;  
 KW rheumatoid arthritis; CNS disorder; infection; metabolic disease;  
 KW cardiovascular disease; proliferative disorder; hormonal disorder;  
 KW neurological disorder; neuronal disorder; Alzheimer's disease; cancer;  
 KW attention deficit-hyperactivity disorder/attention deficit disorder;  
 KW Parkinson's disease; migraine; senile dementia; inflammatory disease;  
 KW rheumatoid arthritis; autoimmune disorder; respiratory ailment;  
 KW neuroprotective; ds.

XX  
 OS Homo sapiens.

XX  
 PN WO200136473-A2.

XX  
 PD 25-MAY-2001.

XX  
 PF 16-NOV-2000; 2000MO-US31581.

XX  
 PR 16-NOV-1999; 99US-0165838.  
 PR 17-NOV-1999; 99US-0166071.  
 PR 19-NOV-1999; 99US-0166678.  
 PR 28-DEC-1999; 99US-0173396.  
 PR 22-FEB-2000; 2000US-0184129.  
 PR 28-FEB-2000; 2000US-0185421.  
 PR 28-FEB-2000; 2000US-0185554.  
 PR 02-MAR-2000; 2000US-0186530.  
 PR 03-MAR-2000; 2000US-0186811.  
 PR 09-MAR-2000; 2000US-0188114.  
 PR 17-MAR-2000; 2000US-0190310.  
 PR 21-MAR-2000; 2000US-0190800.  
 PR 20-APR-2000; 2000US-0198568.  
 PR 02-MAY-2000; 2000US-0201190.  
 PR 08-MAY-2000; 2000US-0203111.  
 PR 25-MAY-2000; 2000US-0207094.

XX  
 PA (PHAA ) PHARMACIA & UPJOHN CO.

XX  
 PI Vogeli G, Wood LS, Parodi LA, Hiesbach RR, Lind P, Slightom J,

XX  
 PI Scheilin KA, Kayes PS, Bannigan CW, Ruff V, Sejlitz T, Hult RM,

XX  
 DR WPI; 2001-389826/41.

XX  
 DR P-PSDB; AAG80934.

XX  
 PT New G protein-coupled receptor (nGPCR-x) and its encoding  
 XX polynucleotide useful for diagnosing and treating e.g. schizophrenia -

PS Claim 4; Page 77; 261pp; English.

XX The present invention relates to novel G protein-coupled receptors  
 CC (NGPCRx; where x is 1, 3, 4, 5, 9, 11, 12, 14-18, 20, 21, 22, 24, 27,  
 CC 28, 31-38, 40, 41, 53-60) and their coding sequences. The present  
 CC sequence is the coding sequence for one such G protein-coupled receptor.  
 CC GPCRs are also known as seven transmembrane receptors and function in  
 CC signal transduction. The NGPCRx coding sequences are useful for  
 CC screening a human to diagnose a disorder affecting the brain or a genetic  
 CC predisposition, specifically schizophrenia. NGPCRx are useful for  
 CC identifying compounds useful for treating schizophrenia. Detection of  
 CC NGPCRx in a sample is useful as a diagnostic tool for diseases or  
 CC disorders e.g. thyroid disorders, renal failure, rheumatoid arthritis,  
 CC CNS disorders, infections such as HIV-1, metabolic and cardiovascular  
 CC diseases, proliferative disorders and hormonal disorders. Modulators of  
 CC NGPCRx activity have the utility for treating neurological disorders,  
 CC including schizophrenia, ADHD/ADD (attention deficit-hyperactivity  
 CC disorder/attention deficit disorder), and neuronal disorders such as  
 CC Alzheimer's disease, Parkinson's disease, migraine and senile dementia.  
 CC Additional disorders include inflammatory conditions (e.g. Crohn's  
 CC disease), rheumatoid arthritis, autoimmune disorders, cancers,  
 CC respiratory ailments such as asthma, and inflammatory diseases e.g.  
 CC inflammatory bowel disease.

XX Sequence 888 BP; 174 A; 254 C; 231 G; 229 T; 0 other;

Query Match 74.2%; Score 886.4; DB 22; Length 888;

Best Local Similarity 99.9%; Pred. No. 4e-239; Matches 887; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 214 CTGCTCATTTGTCGCTTTGTCGCGGCGCATAGGCAATGGGTCGCGCTGTGTTTC 273  
 DB 1 CTGCTCATTTGTCGCTTTGTCGCGGCGCATAGGCAATGGGTCGCGCTGTGTTTC 60  
 QY 274 TGCTTCACATGAAAGACTGGAAGCCAGACACTTTACTCTTTCAATTTGGCGCGT 333  
 DB 61 TGCTTCACATGAAAGACTGGAAGCCAGACACTTTACTCTTTCAATTTGGCGCGT 120  
 QY 334 GATTTCCTCTTATGATCTGCTGCTTTTTCGACAGACTATTAATCTAGACGTAGAC 393  
 DB 121 GATTTCCTCTTATGATCTGCTGCTTTTTCGACAGACTATTAATCTAGACGTAGAC 180  
 QY 394 TGGGCTTTTGGGACATTTCCCTGCGAGTGGGCTCTTACGTTGGCCATGAACAGGCG 453  
 DB 181 TGGGCTTTTGGGACATTTCCCTGCGAGTGGGCTCTTACGTTGGCCATGAACAGGCG 240  
 QY 454 GGGAGCATCGGTTCTTACGTTGGTGGCGGACAGGATTTCAAAGTGTCCACCCC 513  
 DB 241 GGGAGCATCGGTTCTTACGTTGGTGGCGGACAGGATTTCAAAGTGTCCACCCC 300  
 QY 514 CACCACCGGATGAACATATCTCCACCCGGGTGGCGGCTGGCATGCTTCCGCTGTG 573  
 DB 301 CACCACCGGATGAACATATCTCCACCCGGGTGGCGGCTGGCATGCTTCCGCTGTG 360  
 QY 574 GCCCTGTCATCTCTGGGAACAGTGTATCTTTTGTGGAGAACATCTCTGCTGCAAG 633  
 DB 361 GCCCTGTCATCTCTGGGAACAGTGTATCTTTTGTGGAGAACATCTCTGCTGCAAG 420  
 QY 634 ACCGCGCTCTCTGTGAGAGCTTCATATGAGTCCGCCCAATGGCTGGACACGATCAG 693  
 DB 421 ACCGCGCTCTCTGTGAGAGCTTCATATGAGTCCGCCCAATGGCTGGACACGATCAG 480  
 QY 694 TTCAGCTGAGAGTCTTATATGCTTCCGCTGCGATCATTTATTTTGTCTTCAAGATT 753  
 DB 481 TTCAGCTGAGAGTCTTATATGCTTCCGCTGCGATCATTTATTTTGTCTTCAAGATT 540  
 QY 754 TGAAGCTTGAAGGCGAGGACAGAGCTGGCCAGACAGGCTCGATGAAGAAGGCGACCG 813  
 DB 541 TGAAGCTTGAAGGCGAGGACAGAGCTGGCCAGACAGGCTCGATGAAGAAGGCGACCG 600  
 QY 814 TTGATCATGTGTGTGGAATTTGTGTTTCATCATGCTACTCTGCCAGCGTGTGCTA 873  
 DB 601 TTGATCATGTGTGTGGAATTTGTGTTTCATCATGCTACTCTGCCAGCGTGTGCTA 660

QY 874 CTCTATTTCTCTGAGAGTGCCCTCGAGTGCCCTGCAGTCCCTCTGTCATGGGCGCCCTG 933  
 DB 661 CTCTATTTCTCTGAGAGTGCCCTCGAGTGCCCTGCAGTCCCTCTGTCATGGGCGCCCTG 720  
 QY 934 CACATTAACCTGAGCTTCCTACTACATGAACAGCATGCTGGATCCCTGTGTATTTATTTT 993  
 DB 721 CACATTAACCTGAGCTTCCTACTACATGAACAGCATGCTGGATCCCTGTGTATTTATTTT 780  
 QY 994 TCAAGCCCTCTCTTCCCAATTTTACACAGCTCAAAATCTGCAAGTGAACCCAG 1053  
 DB 781 TCAAGCCCTCTCTTCCCAATTTTACACAGCTCAAAATCTGCAAGTGAACCCAG 840  
 QY 1054 CAGCGAGACACTCAAAACCAAAAGCCGGAAGAGATGCCAATTTG 1101  
 DB 841 CAGCGAGACACTCAAAACCAAAAGCCGGAAGAGATGCCAATTTG 888  
 RESULT 15  
 ABK47759  
 ID ABK47759 standard; cDNA; 1174 BP.  
 XX  
 AC ABK47759;  
 DT 02-JUL-2002 (first entry)  
 XX  
 DE cDNA encoding human inflammation-associated GPCR EX20 polypeptide.  
 XX  
 KW Human; inflammation-associated G-protein coupled receptor; GPCR; EX20;  
 KW inflammatory disease; asthma; adult respiratory distress syndrome; ARDS;  
 KW chronic obstructive pulmonary disease; COPD; bronchitis; emphysema;  
 KW pneumoconiosis; neutrophil; eosinophil related disorder; airway;  
 KW lung-related disorder; rheumatoid arthritis; inflammatory bowel disease;  
 KW ulcerative colitis; skin disease; eczematous dermatitis; gene; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT CDS 1..1164  
 FT /tag= a  
 FT /product= "inflammation-associated GPCR EX20 polypeptide"  
 XX  
 XX W0200213845-A2.  
 XX  
 XX 21-FEB-2002.  
 XX  
 XX 16-AUG-2001; 2001MO-EP09466.  
 XX  
 XX 18-AUG-2000; 2000US-0641653.  
 XX  
 XX (NOVS ) NOVARTIS AG.  
 XX (NOVS ) NOVARTIS-ERFINDUNGEN VERW GES MBH.  
 XX  
 XX Jarai G, Yousefi S;  
 XX  
 XX WPI; 2002-329542/36.  
 XX P-PSDB; AAU77992.  
 XX  
 PT New pharmaceutical composition comprising EX20 polypeptide, EX20  
 PT polynucleotide, antibodies against EX20 polypeptide, antisense  
 PT oligonucleotides against EX20 polynucleotide, useful for treating  
 PT inflammatory disease -  
 XX  
 PS Claim 4; Page 31; 36pp; English.  
 XX  
 CC The present invention relates to human inflammation-associated  
 CC G-protein coupled receptor (GPCR) EX20 polypeptide and the  
 CC polynucleotide sequence encoding it. A pharmaceutical composition  
 CC comprising EX20 polypeptide, a variant of EX20, an antibody which  
 CC immunoreacts with EX20, a polynucleotide encoding EX20 or an antisense  
 CC oligonucleotide comprising a nucleotide sequence complementary to  
 CC EX20 can be used in diagnostic and therapeutic applications for  
 CC treating an inflammatory disease. Such inflammatory diseases include

CC asthma, adult respiratory distress syndrome (ARDS), chronic obstructive  
 CC pulmonary disease (COPD) including chronic bronchitis, emphysema,  
 CC pneumoconiosis, neutrophil or eosinophil related disorders, airway and  
 CC lung-related disorders, rheumatoid arthritis, inflammatory bowel  
 CC disease, ulcerative colitis, and skin diseases such as eczematous  
 CC dermatitis. The present sequence encodes human inflammation-associated  
 CC GPCR Exon 2 polypeptide.

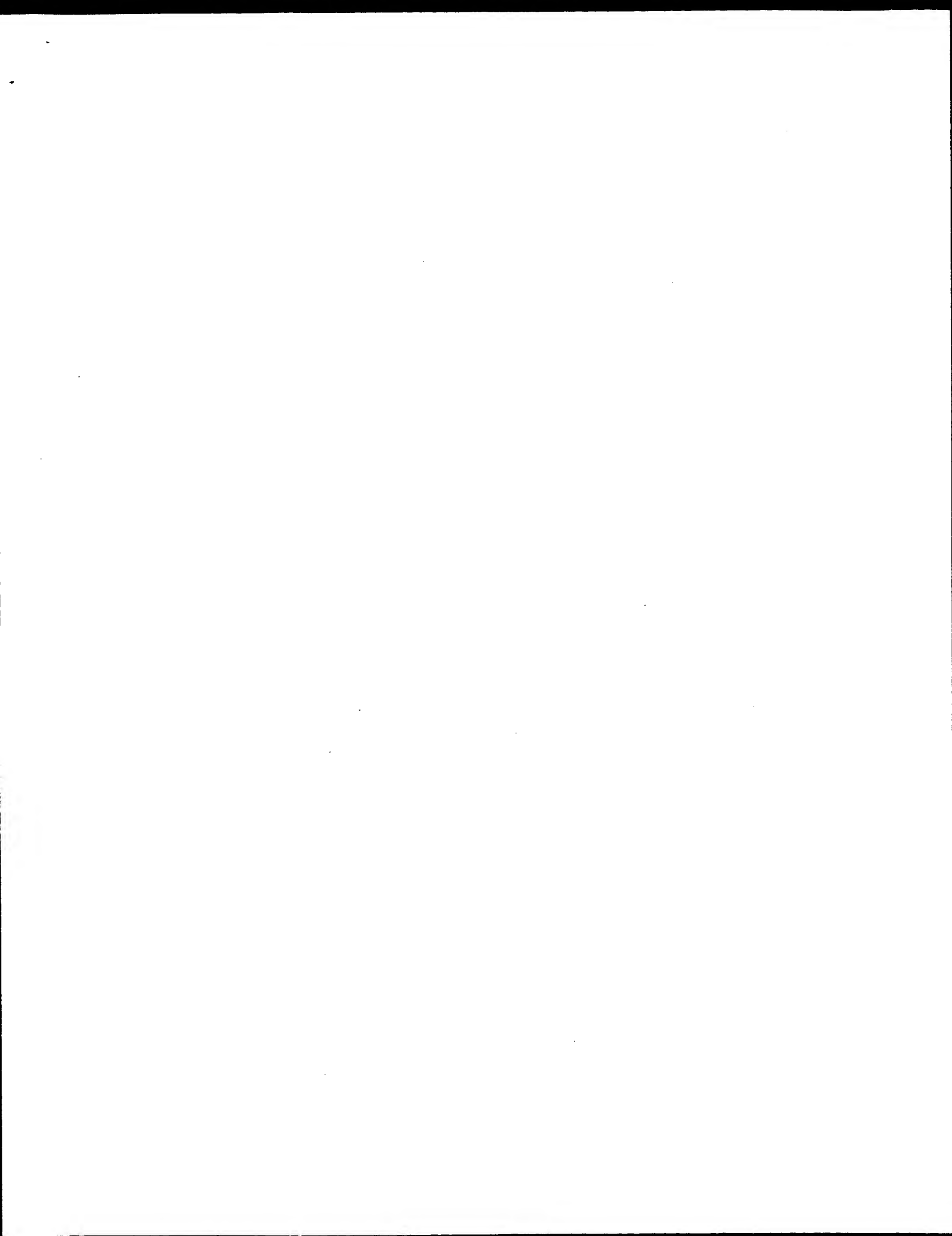
XX Sequence 1174 BP; 251 A; 336 C; 291 G; 296 T; 0 other;

Query Match 31.3%; Score 374; DB 24; Length 1174;  
 Best Local Similarity 64.3%; Pred. No. 7.4e-95;  
 Matches 601; Conservative 0; Mismatches 315; Indels 18; Gaps 2;

QY 154 ATGTACACGGGTGCTGCTGCGCATGAGGGGACACCATCTCCAGGTGATGCCGCG 213  
 DB 37 ATAGACAGAAAGACTGCTGTGTGTTCCGAGATGACTTCAATGGCAAGTGTGCGCGG 96  
 QY 214 CTGCTCATTTGGCCCTTTGTGTGGGCGCATGAGCAATGGGGTCCCTGTGTGTTTC 273  
 DB 97 GTGTGGGGCTGAGTTTATCTTTGGGCTTCTGGCAATGGCCCTGCTGTGATTTTC 156  
 QY 274 TGCTTCACATGAAGACCTGGAAGCCAGACATGTTTCAATTTGGCCGTGCT 333  
 DB 157 TGTTCACCTCAAGTCTGGAATCAAGCCGATTTCTGTTCACTGGCAGTACTT 216  
 QY 334 GATTTCCTCTTATGATCTGCTGCTTTTGGACAGACTATTACTCTCAAGCTAGACAC 393  
 DB 217 GACTTCTACTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 276  
 QY 394 TGGGCTTTGGGACATTCCTGCGAGTGGGGCTTTCACTTGGCCATGAACAGGGCC 453  
 DB 277 TGGAGTTTGGGACATTCCTGCGAGTGGGGCTTTCACTTGGCCATGAACAGGGCC 336  
 QY 454 GGGAGCATGCTGTTCTTACGAGTGGGCTGGGACAGGATTTCAAGTGTCCACCCC 513  
 DB 337 GGGAGCATGATTTCTTCAAGTGGGCTGGGACAGGATTTTCCGGGTGTCCATCCC 396  
 QY 514 CACGACGGGTGAACATCTTCCACCGGGTGGGCTGGGATGCTGTGCAACCTGTGG 573  
 DB 397 CACGACGGGTGAACATCTTCCATTTGAGCAGGACATCATCTTCCCTTCTGTGG 456  
 QY 574 GCGCTGTGATCTTGGGACAGTGTATCTTTTGTGAGAACCATCTTGGCTGCAAGG 633  
 DB 457 GGCATACCTTGGGACAGTGTATCTTTTGTGAGAACCATCTTGGCTGCAAGG 516  
 QY 634 ACGGCGCTCTCCGTGAGAGCTTCATCATGAGTGGCCATGGGCGACGACATCATG 693  
 DB 517 ACTGCAAAATGTGTGATCTGCTTCAAGTGTGCTTCCGATGCTTCCGATGCTTCCG 576  
 QY 694 TTCAGCTGAGTCTTATGCTTGTGCTTCCGATCATCTTATTTTGTCTTCAAGTGT 753  
 DB 577 TTCCTCTGAGTCTTCTTGTGCTTCCGATCATCTTGTCTTGTCTTCAAGTGTATC 636  
 QY 754 TGGAGCTTGAAGGCGGAGCAGTGTGCTGCAAGGCTGGATGAAGAGGCGACCCG 813  
 DB 637 TGGAGCTTGAAGGCGGAGCAGTGTGCTGCAAGGCTGGATGAAGAGGCGACCC 693  
 QY 814 TTCATCATGAGTGTGCAATTTGTTTCAATGCTACATGCTACCTCCAGGCTGTCTAGA 873  
 DB 694 TTCATCATGAGTGTGCAATTTGTTTCAATGCTACATGCTACCTCCAGGCTGTCTAGA 753  
 QY 874 CTCTATTTCTCTGACGGTGGCTC-----GAGTGCCTGCGATCTCT 918  
 DB 754 ATCCACATCTTCTGCTCTGACACTTGGGAGCGACAGATTTGAAGTGAACGCTTG 813  
 QY 919 GTCCATGGGGCCCTGACATAACCTCACTTCACTTACATGAACAGCATGCTGATCCC 978  
 DB 814 GTGACCTGCGCTTCTTTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCA 873  
 QY 979 CTGAGTATTTTCAAGCCCTCTTCCAAATTTCAACAGCTCAAAATCTGC 1038  
 DB 874 GTGGGTACTACTTCTCCAGCCCATCTTCCCACTTCTTCCACTTGTATCAACCGC 933

QY 1039 AGTGTAAACCCAGACAGCCAGAGCACTCAAAA 1072  
 DB 934 TGCTTCAGAGAGAGATGACAGGTGAGCCAGATA 967

Search completed: April 3, 2003, 21:08:19  
 Job time : 325 secs





US-07-915-966C-1

Query Match 19.4%; Score 231.2; DB 1; Length 545;  
 Best Local Similarity 65.1%; Pred. No. 9.3e-55;  
 Matches 357; Conservative 0; Mismatches 188; Indels 3; Gaps 1;

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QY 310 TACCTTTCAATTTGGCGGTGATTTCCCTTATGATCTGCTTCCCTTTGGACA 369
DB 1 TTCTGGTGAACCTGCTGGGGCTACCTTTCTCTGATCATTTGGTTGCGTTCTTACG 60
QY 370 GACTATTAAGTCAAGTGAACCTGAGTCTTTGGGACATTCCTGCGAGTGGGCTC 429
DB 61 GACAACTATGTCAGAACTGGGAGTCTGGAGATCTCCCTGCGGATGCTC 120
QY 430 TTCAAGTTGGCCATGAACAGGGCCGGAGCATCTGTTCTTACGCTGCTGGCGAC 489
DB 121 TTCAATGTTGGCCATGAACAGGAGGAGCATCTTCTCAAGTGGTGGTGGAC 180
QY 490 AGGTATTTCAAGTGTCCACCCCGACAGCGGGTGAACATATCTCCAGCCGGTGGCG 549
DB 181 AGTACTTCAAGGTGTGTCCACCCCGACAGCATCTTCCGAAACAGATCTCCAGCCGGCG 240
QY 550 GCTGGCATCTGTGACCCCTGTGGCCCTGTGATCTCTGGAAACAGTATCTTTTGGCTG 609
DB 241 GCATCATCTCTTGGCTTCTCTGTGGGAGCATCAACATCGGCTGACAGTCCACTCTCTAC 300
QY 610 GAGAACATCTCTGCGTGAAGAGAGCGGCGCTCTCTGTGAGAGCTTCATCATGAGTGC 669
DB 301 ACGGACATGATGACCCGAAACGCGCATGCAAACTGTGAGAGATTTTGAATCTGCTAC 360
QY 670 GCCAATGCTGGACAGACATCATGTTCCAGTGAATTTTATGCCCCCTGGGATCATC 729
DB 361 ACTTTAGGTGACAGATGATGATGTTCTCTTGAATTTCTCTGCCCCCTGGGATCATC 420
QY 730 TTATTTGCTCTTCAAGATTTGTTGAGCTTGAAGCGGAGGACAGCAGTGGCCAGAG 789
DB 421 CTGTTCTGCTGTGGCAAGATCAATTTGAGACCTTAAGGCAAG--ACAGATGAGACGGAGC 477
QY 790 GCTGGATGAAGAGGCGACCCGGTTCATGATGATGATGATGATGATGATGATGATGATG 849
DB 478 GTCAAGATGAAGAGGCGCATCAATTCATCATGATGATGATGATGATGATGATGATGATG 537
QY 850 TACCTGCC 857
DB 538 TGGCTGCC 545

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RESULT 2  
 US-08-771-182-1  
 Sequence 1, Application US/08771182  
 Patent No. 5929209

## GENERAL INFORMATION:

APPLICANT: Hadcock Dr., John R.  
 APPLICANT: Ozenberger Dr., Bradley A.  
 APPLICANT: Pausch Dr., Mark H.  
 TITLE OF INVENTION: Receptor Identification Method  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:

ADDRESSEE: American Home Products Corporation  
 STREET: One Campus Drive  
 CITY: Parsippany  
 STATE: New Jersey  
 COUNTRY: USA  
 ZIP: 07054

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/771,182  
 FILING DATE: 20-DEC-1996  
 CLASSIFICATION: 435

## ATTORNEY/AGENT INFORMATION:

NAME: Matthews, Gale F.  
 REGISTRATION NUMBER: 32,269  
 REFERENCE/DOCKET NUMBER: 31,829-D1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 201-683-2134  
 TELEFAX: 201-683-4117

## INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 545 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Rat  
 PUBLICATION INFORMATION:  
 AUTHORS: Hadcock Dr., John R.  
 AUTHORS: Ozenberger, Bradley A.  
 AUTHORS: Dr. Pausch, Mark H.  
 TITLE: Receptor Identification Method  
 DATE: 20-DEC-1996

US-08-771-182-1

Query Match 19.4%; Score 231.2; DB 2; Length 545;  
 Best Local Similarity 65.1%; Pred. No. 9.3e-55;  
 Matches 357; Conservative 0; Mismatches 188; Indels 3; Gaps 1;

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QY 310 TACCTTTCAATTTGGCGGTGATTTCCCTTATGATCTGCTTCCCTTTGGACA 369
DB 1 TTCTGGTGAACCTGCTGGGGCTACCTTTCTCTGATCATTTGGTTGCGTTCTTACG 60
QY 370 GACTATTAAGTCAAGTGAACCTGAGTCTTTGGGACATTCCTGCGAGTGGGCTC 429
DB 61 GACAACTATGTCAGAACTGGGAGTCTGGAGATCTCCCTGCGGATGCTC 120
QY 430 TTCAAGTTGGCCATGAACAGGGCCGGAGCATCTGTTCTTACGCTGCTGGCGAC 489
DB 121 TTCAATGTTGGCCATGAACAGGAGGAGCATCTTCTCAAGTGGTGGTGGAC 180
QY 490 AGGTATTTCAAGTGTCCACCCCGACAGCGGGTGAACATATCTCCAGCCGGTGGCG 549
DB 181 AGTACTTCAAGGTGTGTCCACCCCGACAGCATCTTCTGAAACAGATCTCCAGCCGGCG 240
QY 550 GCTGGCATCTGTGACCCCTGTGGCCCTGTGATCTCTGGAAACAGTATCTTTTGGCTG 609
DB 241 GCATCATCTCTTGGCTTCTCTGTGGGAGCATCAACATCGGCTGACAGTCCACTCTCTAC 300
QY 610 GAGAACATCTCTGCGTGAAGAGAGCGGCGCTCTCTGTGAGAGCTTCATCATGAGTGC 669
DB 301 ACGGACATGATGACCCGAAACGCGCATGCAAACTGTGAGAGCTTTTGAATCTGCTAC 360
QY 670 GCCAATGCTGGACAGACATCATGTTCCAGTGAATTTTATGCCCCCTGGGATCATC 729
DB 361 ACTTTAGGTGACAGATGATGATGTTCTCTTGAATTTCTCTGCCCCCTGGGATCATC 420
QY 730 TTATTTGCTCTTCAAGATTTGTTGAGCTTGAAGCGGAGGAGGAGGAGGAGGAGGAGG 789
DB 421 CTGTTCTGCTGTGGCAAGATCAATTTGAGACCTTAAGGCAAG--ACAGATGAGACGGAGC 477
QY 790 GCTGGATGAAGAGGCGACCCGGTTCATGATGATGATGATGATGATGATGATGATGATG 849
DB 478 GTCAAGATGAAGAGGCGCATCAATTCATCATGATGATGATGATGATGATGATGATGATG 537
QY 850 TACCTGCC 857
DB 538 TGGCTGCC 545

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RESULT 3  
 US-08-853-194-1



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/ Sequence 1, Application US/08853194
/ Patent No. 6077666
/ GENERAL INFORMATION:
/ APPLICANT: Haddock Dr., John R.
/ APPLICANT: Ozenberger Dr., Bradley A.
/ APPLICANT: Pausch Dr., Mark H.
/ TITLE OF INVENTION: Receptor Identification Method
/ NUMBER OF SEQUENCES: 19
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: American Cyanamid Company
/ STREET: One Cyanamid Plaza
/ CITY: Wayne
/ STATE: NJ
/ COUNTRY: United States of America
/ ZIP: 06904-0060
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/853,194
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/915,966
/ FILING DATE: 17-JUL-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Tsevdos Dr., Estelle J.
/ REGISTRATION NUMBER: 31,145
/ REFERENCE/DOCKET NUMBER: 31829-00
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 203-321-2361
/ TELEFAX: 203-321-2971
/ TELEX: 710-474-4059
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 545 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Rat
/ PUBLICATION INFORMATION:
/ AUTHORS: Haddock Dr., John R.
/ AUTHORS: Ozenberger, Bradley A.
/ AUTHORS: Dr. Pausch, Mark
/ TITLE: Receptor Identification Method
/ DATE: 17-JUL-1992
/ US-08-853-194-1

Query Match          19.4% Score 231.2; DB 3; Length 545;
Best Local Similarity 65.1%; Pred No. 9.3e-55;
Matches 357; Conservative 0; Mismatches 186; Indels 3; Gaps 1;

QY 310 TACCTTTCAATTGGCGGTGGCTGATTTCTCTTATGATCGCTGCTTTTGGACA 369
DB 1 TTGCTGTGAACCTGGTGGGGCTGACTTCTCTGATCATTTGCTGCGTTCTTGAAG 60
QY 370 GACTATTACTGAGAGTGAACACTGAGGCTTTTGGGAGACATTCCTCCGAGTGGGCTC 429
DB 61 GACAACTATGTCAGAACTGAGAGTGGAGTTCGGAGCATCCCTGCGCTGATGCTC 120
QY 430 TTACGCTTGGCCATGAGAGGCGCGGAGCATGCTTCTTACGAGTGGCTGCGAGC 489
DB 121 TTCAATTTGGCCATGAGAGGCGAGCATCTTCTTACGAGTGGCTGCGAGC 180
QY 490 AGGTATTTAAAGTGGTCCACCCCAACGAGGAGTGAACACTATCTCAACCGGAGTGGCG 549
DB 181 AGGTACTTCAGGAGTGGTCCACCCCAACGAGTCTCTGAACAAGATCTCAACCGGAGGCG 240

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QY 550 GCTGCGATGCTGTGACCCCTGTGGGCGCTGTGATCATCTGGAGACAGTATCTTGTGCTG 609
DB 241 GCCATCATCTCTGCTTCTGTTGGGGGATACATCGCCCTGAGACAGTCTTCTTAC 300
QY 610 GAGAACCATCTCTGTGCTGACAGAGAGCGGCGCTCTCTGTGAGACTTTCATCATGAGTGG 669
DB 301 ACGGACATGATGACCCGAAACGCGGAGTCAAACTGTGACAGACTTTAGCATCTGCTAC 360
QY 670 GCCATGCGTGGACGACATCATGATTCAGTGTGAGTCTTATAGCCCTCGGATCATC 729
DB 361 ACTTTCAGTGGACGATGATGATGCTCTTGAATTTCTTCCCTCGGCGATCATC 420
QY 730 TTAATTTGCTCTTCAAGATTTGTTGAGGCTGTGAGCGGAGGACGAGTGGCCAGAG 789
DB 421 CTGTTCTGCTCTGGAGAGATCATTTGAGGCTTAAAGCAGAG--ACAGATGAGAGGAGC 477
QY 790 GCTGCGATGAGAGAGGCGAGCCGCTTATCATCATGTTGTGTCGATTTGTTTCATCATGC 849
DB 478 GTCAAGATCAAGAGGCGCATCATCATCATGATGATGTTGCTGATTTGCTGCTGC 537
QY 850 TACCTGCC 857
DB 538 TGGCTGCC 545

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RESULT 4
US-08-955-713-1
/ Sequence 1, Application US/08955713
/ Patent No. 5955308
/ GENERAL INFORMATION:
/ APPLICANT: SATHE, GANESH
/ APPLICANT: MOONEY, JEFFREY
/ APPLICANT: BERGMA, DEREK
/ APPLICANT: HALSEY, WENDY
/ TITLE OF INVENTION: cDNA CLONE HE04D54 THAT ENCODES
/ NUMBER OF SEQUENCES: 4
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: RATNER & PRESTIA
/ STREET: P.O. BOX 980
/ CITY: VALLEY FORGE
/ STATE: PA
/ COUNTRY: USA
/ ZIP: 19482
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/955,713
/ FILING DATE: 23-OCT-1997
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/050,124
/ FILING DATE: 18-JUN-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: PRESTIA, PAUL F
/ REGISTRATION NUMBER: 23,031
/ REFERENCE/DOCKET NUMBER: GH-70087
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 610-407-0700
/ TELEFAX: 610-407-0701
/ TELEX: 846169
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1594 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ US-08-955-713-1

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Query Match 15.9%; Score 190.4; DB 2; Length 1594;  
 Best Local Similarity 54.8%; Pred. No. 3.1e-43;  
 Matches 446; Conservative 0; Mismatches 356; Indels 12; Gaps 3;

206 TCCGCGCGCTGCTCATGTTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTGCCTGT 265  
 DB 519 TGGCAACCAATCTGGCCCTGGAGTTTGTCTGCTGGCTGTGGGAAACAGTTTGGCCCTCT 578  
 QY 266 GTGTTTCTGCTTCCACATGAAGACTGGAAACCAGACATGTTTACCTTTTCAATTGG 325  
 DB 579 TCATCTTTCGATCCACACGCGCCCTGACCTCAACAGGTGTCTCTGTGACGCTGG 638  
 QY 326 CCGTGGCTGATTTCCCTTATGATCTGCTGCTCTTTTCCGACAGACTATTACCTCAGAC 385  
 DB 639 TGGCCGCTGACTTCTCTGATCAGCAACCTGCTCCCTCGGTGAGACTACACCTCC 698  
 QY 386 GTAGACACTGGGCTTTTGGGGAATTCCTGCGAGTGGGGCTCTTCACTGTGGCATGA 445  
 DB 699 ATGAGACCTGGGCTTTGGGGCTGCTGCTGCAAGTCAACCTCTTCACTGCTCCACCA 758  
 QY 446 ACAGGCGCGGAGCANTCGTTCTTACGATGCTGGGCTGGGACAGGTATTCAAGTGG 505  
 DB 759 ACCGACGCGCAGCGTTGCTTCTTCAAGCATGCACTCAACCGCTACCTGAAGTGG 818  
 QY 506 TCCACCCCGCACGCGGTGAACACTATCTCCACCCGGGTGGCGGTGCACTGCTTCA 565  
 DB 819 TGCAGGCCCAACAGCTGCTGAGCCGCTGCTCGTGGGGGCACTGCTCCGGGGTGG 878  
 QY 566 CCGTGGGCGCTGCTGATCTGCGGAACAGTGTATCTTTTGTGGAAGAACATCTTGG 625  
 DB 879 GACTCTGGG---TGGGCACTGCTGCTCTCCACAGGAGCACTGCTCTGAGCACTTCTCG 935  
 QY 626 TGGAGAGAGCGGCGCTCTGCTGAGAGCTTATCATGAGTGGGCAATGGCTGGACG 685  
 DB 936 GCCCTCTGCTGCTGAGTCAAGGATGGGCAAGAGCCCTGCGCTGCTCCGCTGGAC 995  
 QY 686 ACATCATGTTTCCAGCTGAGATTCTTATGCCCTTGGCACTCATTTATTTGCTCTTCA 745  
 DB 996 AGGCACTGATACCTGCTGAGTTCTTCTGCACTGGCGCTCATCTCTT---GCTATGG 1052  
 QY 746 AGATTGTTTGAAGCTTGAAGCGGAGGAGAGAGCTGGCCAGAGAGCTGGATGGAAG 805  
 DB 1053 TGGACATTTGGGCTCACATCCGGAACCGGTGTGGGCGGGAGGAGGCGCGAGAGG 1112  
 QY 806 CGACCCGCTTCACTAGTGTGGGCAATGTGTTCATCATGCTCACTGCGCCAGCTGT 865  
 DB 1113 CATGCTGTGCTGGCAATGATGATGATGATGATGATGATGATGATGATGATGATG 1172  
 QY 866 CTGCTAGACTTATTTCTCTGAGCGTGCCTGAGTGCCTGCAATCCCTGTGCTATG 925  
 DB 1173 TCTTTGGCATGGCTTCATGATGATGATGATGATGATGATGATGATGATGATG 1232  
 QY 926 GGGCCCTGACATMA-----CCTCAGCTTCACTTCACTGAAGAGAGTCTGATCCC 979  
 DB 1233 GACACAGGCTTTCATGATGCTTGGCTTGGCTTCACTTCACTTCACTTCACTTCA 1292  
 QY 980 TGGGTATTATTTCAGGCGCTCTTCCCA 1013  
 DB 1293 TGCTTACTGCTTCTTACGCCCACTTCTTCA 1326

## RESULT 5

US-08-955-713-3  
 ; Sequence 3, Application US/08955713

; Patent No. 5955308  
 ; GENERAL INFORMATION:

; APPLICANT: SATHI, GANESH  
 ; APPLICANT: MOONEY, JEFFREY

; APPLICANT: BERGSMAN, DEBK  
 ; APPLICANT: HALSEY, WENDY

; TITLE OF INVENTION: CDNA CLONE HEOAD54 THAT ENCODES

; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:

A HUMAN 7-TRANS

ADDRESSER: RATNER & PRESTIA  
 STREET: P.O. BOX 980  
 CITY: VALLEY FORGE  
 STATE: PA

COUNTRY: USA  
 ZIP: 19482

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/955,713

FILING DATE: 23-OCT-1997  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 60/050,124

FILING DATE: 18-JUN-1997  
 ATTORNEY/AGENT INFORMATION:

NAME: PRESTIA, PAUL F  
 REGISTRATION NUMBER: 23,031

REFERENCE/DOCKET NUMBER: GH-70087  
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 610-407-0700  
 TELEFAX: 610-407-0701

TELEX: 846169  
 INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 1435 base pairs

TYPE: nucleic acid  
 STRANDEDNESS: single

TOPOLOGY: linear  
 MOLECULE TYPE: CDNA

US-08-955-713-3

Query Match 15.9%; Score 189.6; DB 2; Length 1435;  
 Best Local Similarity 54.2%; Pred. No. 4.9e-43;  
 Matches 441; Conservative 3; Mismatches 358; Indels 12; Gaps 3;

206 TGCAGCGCTGCTCATGTTGGGCTTTGTGCTGGGCGCACTAGGCAATGGAGTGCCTGT 265  
 DB 18 TGGCACCACATCTGGCGCTGAGATTGTCTTGGGCTGAGTGGGAAACAGTTTGGCCCTCT 77  
 QY 266 GTGTTTCTGCTTCCACATGAAGACTGGAAGCCGACACTGTTTACTTTCATTTGG 325  
 DB 78 TCATCTTTCATCAACACGCGCCCTGGAACCTTCAACAGGTGCTGATGAGCTTG 137  
 QY 326 CCGTGTGATTTTCCCTTATGATGATGATGATGATGATGATGATGATGATGATG 385  
 DB 138 TGGCGCTGACTTCTCTGATGAGCAACTGCTCCCTCCGCGTGGAGTACTACTCTCC 197  
 QY 386 GTAGACACTGGGCTTTTGGGACATTCCTGCGAGTGGGGCTTTTCACTTGGCCATGA 445  
 DB 198 ATGAGACTTGGCGCTTTGGGGCTGCTGCTGCAAAATGCAACCTTCACTGATGAC 257  
 QY 446 ACAGGCGCGGAGCATGCTGTTCTTACGATGATGATGATGATGATGATGATGATG 505  
 DB 258 ACCGACAGGCGAGGTGCTTCTTCTCAAGCCATGCACTCAACCCCTACCTGAAGTGG 317  
 QY 506 TCCACCCCGCACAGCGGAGTGAACACTATCTCCACCGGGTGGGCGGTGCACTGTGCA 565  
 DB 318 TGCANCCCCACACAGTGTGAACCGGTCTTCTGAGGGGAGANTGCTCCGGGTGAGGGG 377  
 QY 566 CCGTGGGCGCTGCTCATCTCTGGGAACAGTGTATCTTTGCTGAGAAACATCTGTGG 625  
 DB 378 GAATCTGG---TGGGATCTGCTGCTCTCAAGGAGNACGCTCTGAAACACTTCTCG 434  
 QY 626 TGAAGAGAGCGCGCTTCTGAGAGCTTCACTAGAGTGGCAATGGCTGGACG 685  
 DB 435 GCCCTCTGCTGACTTCAAGGATGGGCAAGARCCCTGCGCTGCTCCGCTGGACCC 494  
 QY 686 ACATCATGTTCCAGCTGAGTCTTATAGCCCTGCGCATCATTTATTTGCTCTTCA 745



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1  COUNTRY: USA
2  ZIP: 19482
3  COMPUTER READABLE FORM:
4  MEDIUM TYPE: Diskette
5  COMPUTER: IBM Compatible
6  OPERATING SYSTEM: DOS
7  SOFTWARE: FASTSEQ for Windows Vert
8  CURRENT APPLICATION DATA:
9  APPLICATION NUMBER: US/09/130,749
10 FILING DATE: 07-AUG-1998
11 CLASSIFICATION:
12 PRIOR APPLICATION DATA:
13 APPLICATION NUMBER:
14 FILING DATE:
15 ATTORNEY/AGENT INFORMATION:
16 NAME: PRESTIA, PAUL F
17 REGISTRATION NUMBER: 23,031
18 REFERENCE/DOCKET NUMBER: GP-70513
19 TELECOMMUNICATION INFORMATION:
20 TELEPHONE: 610-407-0700
21 TELEFAX: 610-407-0701
22 TELEX: 846169
23 INFORMATION FOR SEQ. ID NO.: 1:
24 SEQUENCE CHARACTERISTICS:
25 LENGTH: 960 base pairs
26 TYPE: nucleic acid
27 STRANDEDNESS: single
28 TOPOLOGY: linear
29 MOLECULE TYPE: cDNA
30 US-09-130-749-1

```

201 GGTGATGCGCGGCTGCTCATTTGGCCCTTTGTGCGGCACTAGGCAATGGGGTGGC 260  
 Db GGTGATGCGCGGCTGCTCATTTGGCCCTTTGTGCGGCACTAGGCAATGGGGTGGC 260  
 796 GGTGATGCGCGGCTGCTCATTTGGCCCTTTGTGCGGCACTAGGCAATGGGGTGGC 260  
 261 CCGTGTGCTTTCTGCTTCCACATGAGACCGGGAAGCCAGCACTGTTTACCTTTTCAA 320  
 Db CCGTGTGCTTTCTGCTTCCACATGAGACCGGGAAGCCAGCACTGTTTACCTTTTCAA 320  
 856 TCTGTGGCTTTTTCATCCAGACACAACTCCGGGACCCCGGCAACGGTTCCTGATGCA 915  
 321 TTTGGCCGTGCTGATTTTCTCTTATGATCTGCTGCTTTTGGACAGACTATTAAT 380  
 Db TTTGGCCGTGCTGATTTTCTCTTATGATCTGCTGCTTTTGGACAGACTATTAAT 380  
 916 TCTGGCCGTGCTGATTTTCTCTTATGATCTGCTGCTTTTGGACAGACTATTAAT 380  
 381 CAGAGTGAACACTGGGCTTTTGGGGAATCTCCCTGCGAGTGGGGCTTTCACTTGGC 440  
 Db CAGAGTGAACACTGGGCTTTTGGGGAATCTCCCTGCGAGTGGGGCTTTCACTTGGC 440  
 976 CTCTGGGAACCACTGGGCTTTTGGGGAATCTCCCTGCGAGTGGGGCTTTCACTTGGC 440  
 441 CATGAACAGGCGCGGAGCATCTGTTCTTACGTTGGTGGCTCGGACAGTATTTCAA 500  
 Db CATGAACAGGCGCGGAGCATCTGTTCTTACGTTGGTGGCTCGGACAGTATTTCAA 500  
 1036 CCTCAACATGTAACCGGACATCTTCTTCACTGATCAGGCGGCAACGTTTCTGGC 1095  
 501 AGTGTCCACCCCAACCAACGCGGTGAACATATCTCAACCGGCGTGGCGTGGCATGT 560  
 Db AGTGTCCACCCCAACCAACGCGGTGAACATATCTCAACCGGCGTGGCGTGGCATGT 560  
 1096 CATGTGTGACCCCGGTCAAGTCCCTCAAGCTCCGAGGCGCCCTTACGCAACCTGGCTG 1155  
 561 CTGACCCCTGCGGCGGCTGATCTCTGGAACAGTATTTTGTGGAAGAACATCT 620  
 Db CTGACCCCTGCGGCGGCTGATCTCTGGAACAGTATTTTGTGGAAGAACATCT 620  
 1156 TGCCTTCTGTGGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1215  
 621 CTGGGTGCAAGAGACGCGCGCTCTCTGTGAGAGCTTCAATGAGATCGGCAATGGCTG 680  
 Db CTGGGTGCAAGAGACGCGCGCTCTCTGTGAGAGCTTCAATGAGATCGGCAATGGCTG 680  
 1216 CGTCAACACCAACCAACGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1275  
 681 GCAGACATCATGTTTCAAGCTGGAAGTCTTATGCGGCTGGGATCATCTTATTTGCTC 740  
 Db GCAGACATCATGTTTCAAGCTGGAAGTCTTATGCGGCTGGGATCATCTTATTTGCTC 740  
 1276 TGCCTTCTGTGGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1335  
 741 CTTCAGATGTTTGGAGCGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 800  
 Db CTTCAGATGTTTGGAGCGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 800  
 1336 CCGTGTGATCATCCGACGCTTCCGCGGAGGCGCTGCGTGGAGAGAGGCGCTCAAGAC 1395  
 801 GAAGGCGACCGGCTTCAATGATGATGATGATGATGATGATGATGATGATGATGAT 851  
 Db GAAGGCGACCGGCTTCAATGATGATGATGATGATGATGATGATGATGATGATGAT 851  
 1396 GCGAGTGCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1455  
 852 CCGGCGGAGGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 911  
 Db CCGGCGGAGGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 911  
 1456 CGTCAACCGGCTTCAATGATGATGATGATGATGATGATGATGATGATGATGAT 1515  
 912 TCCCTGCTCATGAGGCGCTGACATGATGATGATGATGATGATGATGATGATGAT 971  
 Db TCCCTGCTCATGAGGCGCTGACATGATGATGATGATGATGATGATGATGATGAT 971  
 1516 GCGATGCTGCGGCTGCAACCGGATGATGATGATGATGATGATGATGATGATGAT 1575  
 972 GGAATCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1596  
 Db GGAATCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1596

## RESULT 9

US-09-299-843A-43  
 ; Sequence 43, Application US/09299843A  
 ; Patent No. 6107475  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Godiska, Ronald  
 ; APPLICANT: Gray, Patrick W.  
 ; APPLICANT: Schmelkare, Vicki L.  
 ; TITLE OF INVENTION: No. 6107475el Seven Transmembrane Receptors  
 ; NUMBER OF SEQUENCES: 66  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSES: Marshall, O'Toole, Gerstein, Murray &  
 ; ADDRESSES: Borun  
 ; STREET: 6300 Sears Tower, 233 South Wacker Drive  
 ; CITY: Chicago  
 ; STATE: Illinois

COUNTRY: USA  
 ZIP: 60606  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/299,843A  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/088,337  
 FILING DATE: 01-JUN-1998  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/153,848  
 FILING DATE: 17-NOV-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/977,452  
 FILING DATE: 17-NOV-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: J111 E. Uhl  
 REGISTRATION NUMBER: 43,213  
 REFERENCE/DOCKET NUMBER: 27866/32059B  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (312) 474-6300  
 TELEFAX: (312) 474-0448  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 43:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1901 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 701..1717  
 US-09-299-843A-43

Query Match 9.3%; Score 110.6; DB 3; Length 1901;  
 Best Local Similarity 47.2%; Pred. No. 4,4e-21;  
 Matches 378; Conservative 0; Mismatches 414; Indels 9; Gaps 1;

201 GGTGATGCGCGGCTGCTCATTTGGCCCTTTGTGCGGCACTAGGCAATGGGGTGGC 260  
 Db GGTGATGCGCGGCTGCTCATTTGGCCCTTTGTGCGGCACTAGGCAATGGGGTGGC 260  
 796 GGTGATGCGCGGCTGCTCATTTGGCCCTTTGTGCGGCACTAGGCAATGGGGTGGC 260  
 261 CCGTGTGCTTTCTGCTTCCACATGAGACCGGGAAGCCAGCACTGTTTACCTTTTCAA 320  
 Db CCGTGTGCTTTCTGCTTCCACATGAGACCGGGAAGCCAGCACTGTTTACCTTTTCAA 320  
 856 TCTGTGGCTTTTTCATCCAGACACAACTCCGGGACCCCGGCAACGGTTCCTGATGCA 915  
 321 TTTGGCCGTGCTGATTTTCTCTTATGATCTGCTGCTTTTGGACAGACTATTAAT 380  
 Db TTTGGCCGTGCTGATTTTCTCTTATGATCTGCTGCTTTTGGACAGACTATTAAT 380  
 916 TCTGGCCGTGCTGATTTTCTCTTATGATCTGCTGCTTTTGGACAGACTATTAAT 380  
 381 CAGAGTGAACACTGGGCTTTTGGGGAATCTCCCTGCGAGTGGGGCTTTCACTTGGC 440  
 Db CAGAGTGAACACTGGGCTTTTGGGGAATCTCCCTGCGAGTGGGGCTTTCACTTGGC 440  
 976 CTCTGGGAACCACTGGGCTTTTGGGGAATCTCCCTGCGAGTGGGGCTTTCACTTGGC 440  
 441 CATGAACAGGCGCGGAGCATCTGTTCTTACGTTGGTGGCTCGGACAGTATTTCAA 500  
 Db CATGAACAGGCGCGGAGCATCTGTTCTTACGTTGGTGGCTCGGACAGTATTTCAA 500  
 1036 CCTCAACATGTAACCGGACATCTTCTTCACTGATCAGGCGGCAACGTTTCTGGC 1095  
 501 AGTGTCCACCCCAACCAACGCGGTGAACATATCTCAACCGGCGTGGCGTGGCATGT 560  
 Db AGTGTCCACCCCAACCAACGCGGTGAACATATCTCAACCGGCGTGGCGTGGCATGT 560  
 1096 CATGTGTGACCCCGGTCAAGTCCCTCAAGCTCCGAGGCGCTTCAAGCACACTGGCTG 1155  
 561 CTGACCCCTGCGGCGGCTGATCTCTGGAACAGTATTTTGTGGAAGAACATCT 620  
 Db CTGACCCCTGCGGCGGCTGATCTCTGGAACAGTATTTTGTGGAAGAACATCT 620  
 1156 TGCCTTCTGTGGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1215  
 621 CTGGGTGCAAGAGACGCGCGCTCTCTGTGAGAGCTTCAATGAGATCGGCAATGGCTG 680



```

APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schwellart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11153
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Noiland, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ. ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 1901 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 701..1717
PCT-US93-11153-43
Query Match          9.3%; Score 110.6; DB 5; Length 1901;
Best Local Similarity 47.2%; Pred. No. 4.4e-21;
Matches 378; Conservative 0; Mismatches 414; Indels 9; Gaps 1;

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QY 561 CTGACACCTGTGGGCGCTGTGATCTCTGGAAACAGTATCTTTGTGGAAACCATCT 620
DB 1156 TGCCTTCCTGTGGGAGTGTGTGGCTGTGGCCATGGCCCCGTGCTGTGGAGCCACAGAC 1215
QY 621 CTGCGTGAAGAGACGCGCTCTCTGTGAAGACTTCATCATGAGTGGCCAAATGGCTG 680
DB 1216 CGTGAGACCAACCAACAGGTGTCTGCTCAGCTGACCGGAGAAAGGCTCCACCA 1275
QY 681 GCAGACATCATGTTCCAGCTGAGATTTTATAGCCCTCGGCATCATCTTATTTGCTC 740
DB 1276 TGCCCTGTGTCCGTGGAGAGTGGCTTACCTTCCGTTATCACACAGGTACCTGCTA 1335
QY 741 CTTCAAGATTGTTTGAAGCTGAGCGAGGAGAGAGCTGGCCAGACGCTGGATGAA 800
DB 1336 CCGTGTGATCATCCGACCTCTGGCAGAGGCTCTGTGTGAGAAAGCCCTCAAGACCA 1395
QY 801 GAAGCGACCCGGTTTCATCATGTGTGTGTGCAATTGT-----GTTTCATCATGTGTA 851
DB 1396 GGCAGTGGCAGATGATCGCATATGCTGTGGCATCTTCTGTGTGTGCTTGTGCTTACCA 1455
QY 852 CCGTCCAGCGCTGTCTGTAGATCTTATTTCTGTGAAGGTGCTTGAGTGGCTTGGGA 911
DB 1456 CGTCAACCGCTCCGTCTAAGTGTGCACTACCGAGCATGGGCTCTGCGCCACCA 1515
QY 912 TCCCTGTCTCATGGGCGCTGCACATTAACCTCAGCTTACCTACATCAAGAACAGCATGT 971
DB 1516 GCGCATCTGTGGCCCTGGCAACCGCATACCTCTGCTCTACAGCTCAAGGGGCACT 1575
QY 972 GGATCCCTGTGTATATT 992
DB 1576 CGACCCCATCATGATTTCTT 1596

```

```

RESULT 12
PCT-US95-07180-1
Sequence 1, Application PC/RUS9507180
GENERAL INFORMATION:
APPLICANT: LI, XI
APPLICANT: GOCAYNE, JEANINE D
APPLICANT: RUBEN, STEVEN M
TITLE OF INVENTION: G-PROTEIN RECEPTOR H1BB69
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BRNE, BAIN, GILFILLAN, CECCHI,
STREET: STEWART & OLSTEIN
CITY: 6 BECKER FARM ROAD
STATE: NJ
COUNTRY: US
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07180
FILING DATE: 06-JUNE-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 30,073
REFERENCE/DOCKET NUMBER: 325800-366
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ. ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2453 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

```



FEATURE:  
NAME/KEY: CDS  
LOCATION: 548..1564  
PCT-US95-07180-1

Query Match 9.3%; Score 110.6; DB 5; Length 2453;  
Best Local Similarity 47.2%; Pred. No. 5e-21;  
Matches 378; Conservative 0; Mismatches 414; Indels 9; Gaps 1;

QY 201 GGTGATGCCGCGCTGCTCATGTTGAGCTTTGCTGGCGCATAGCAATGAGGCTGC 260  
DB 643 GCGTGTGCGCTCTTCTACCTTCTGATTTTATCTGGCTTTAGTTGGCAATACCTGGC 702  
QY 261 CTTGTGTGTTTCTGTTTCCATATGAAGCTCGAAGCCACACTGTTTACCTTTGAA 320  
DB 703 TCTGTGTGCTTTTCTATCCAGACCAAGTCCGGAGACCCGGCCAACTGTTCTGATGCA 762  
QY 321 TTTGGCGGTGCTGATTTCTCTTATGATCTGCTGCTTTTCCGAGAAGATTTACT 380  
DB 763 TCTGGCGGTGCGCACTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 822  
QY 381 CAGAGCTAGACACTGGGCTTTTGGGACATTCCTCCGAGTGGGGCTTTACGTTGGC 440  
DB 823 CTCTGGGAACCACTGGCCATTTGGGGAAATCCGATGCCCTTCACCGGCTTCTCTTA 882  
QY 441 CATTGAACAGGCGCGGAGCATGTTCTTACGGTGGTGGTGGTGGTGGTGGTGGTGG 500  
DB 883 CTTCAACATGTAAGCCAGCATCTACTTCTTCTACCTGATCAAGCCGACCTTTCTGGC 942  
QY 501 AGTGTCAACCCCAACCAACGCGGTGAACATATTCACCCGCGGTGGCGCTGAGCATGT 560  
DB 943 CATTTGTGACACCGGTCAATCTCTTCAAGCTCCGACAGGCCCTCTAGGACACCTGGC 1002  
QY 561 CTGCACTCTGTGGGCGCTTGTGATCTCTGGGAACATGTAATCTTTTGTGGGAACATCT 620  
DB 1003 TGCCTTCTCTGTGGT 1062  
QY 621 CTGCGTGAAGAGAGCGCGCTCTCTGTGAGAGCTTCATCATGAGTGGCCAAATGGCTG 680  
DB 1063 CTTGCAACCAACCAACGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1122  
QY 681 GCAAGCATCATGTTCCAGCTGAGTGTCTTTATGCCCCCTCGGCATCATTTATTTTGTCT 740  
DB 1123 TGTCTGT 1182  
QY 741 CTTCAAGATTTTGTGAGCTTGAAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 800  
DB 1183 CTTGT 1242  
QY 801 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 851  
DB 1243 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1302  
QY 852 CTTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 911  
DB 1303 CTTGCAACCGGTCTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1362  
QY 912 TCTCTCTGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 971  
DB 1363 GCGCATCTGTGGCGCTGCAACCGCATCACTCTGCTGCTGCTGCTGCTGCTGCTGCT 1422  
QY 972 GAGTCCCGCTGCTGATTTATTT 992  
DB 1423 CGAACCCCATCATGATTTCTTT 1443

RESULT 13  
US-08-724-974A-1  
Sequence 1, Application US/08724974A  
Patent No. 5912335  
GENERAL INFORMATION:  
APPLICANT: Derek J. Bergema, Catherine E. Ellis  
TITLE OF INVENTION: A No. 5912335el G-Protein Coupled Receptor

TITLE OF INVENTION: HUVCT136  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Smithkline Beecham Corporation  
STREET: 709 Swedeland Road, P.O. Box 1539  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE  
COMPUTER: IBM 486  
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/724,974A  
FILING DATE: October 3, 1996  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: William T. Han  
REGISTRATION NUMBER: 34,344  
REFERENCE/DOCKET NUMBER: ATG50022  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610 270 5024  
TELEFAX: 610 270 5090  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1597  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
ANTI-SENSE: No  
US-08-724-974A-1

Query Match 8.9%; Score 105.8; DB 2; Length 1597;  
Best Local Similarity 47.0%; Pred. No. 8.8e-20;  
Matches 400; Conservative 0; Mismatches 442; Indels 9; Gaps 2;

QY 158 ACAAGGAGT 217  
DB 361 ACACTCTCTGATGAGT 420  
QY 218 TCAATTTGGGCTTTTGT 274  
DB 421 TCAATTTGGGCTTTTGT 480  
QY 275 GCTTCAACATGAAGACCTGGAACCCAGACACTGTTTACCTTTTCAATTTTGGCGGTG 334  
DB 481 ACCTGCAATCAAGGCGCGGAGACGAGTGGGCGTGTACTGTGCACTGACGAGTGGCG 540  
QY 335 ATTTCTCTTATGATGTGCTGCTGCTTTTGTGACACACTTATTAACCTCAACAGTAC 394  
DB 541 ACCTCTTCAATCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600  
QY 395 GGGCTTTTGGGAGCATTCCTGCGAGTGGGGCTTTTCAAGTGGGCGATGAACAGGCGCG 454  
DB 601 GGTTCACGGGAGCTTCTTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660  
QY 455 GAGCATCTGTGTTCTTACGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 514  
DB 661 TCAAGTGGGCTTCTGCTGATCTCGTGAACCGCTACTGAGTGTGTGTGTGTGTGTGT 720  
QY 515 ACAACGCGGTGAACATATCTTCAACCGGAGTGGGCTGAGCATGTGTGACCTGTGG 574  
DB 721 TCCGCTTCAACAGTTCCGAGCTTGAAGGCGGCGCTGCGCTGCTGCTGCTGCTGCTG 780  
QY 575 CCGTGTGATCTGTGGAACAGTGTATCTTTTGTGAGAACATCTCTGCGTCAAGAG 634  
DB 781 CCAAGAGCTGTGACCAAGATCTACTTCTGTATGACAGAGAGGTGATCGAAGAGAGA 840

QY 635 -----CGCGCTCTCTCTGTAGAGCTTCATCATGAGTGGCCAAATGGCTGGACGACA 688  
 Db 841 ACCAGCACCGGCTGTGCTTTGAGCACTACCCCATCCAGGACGAGGCGCCATCAACT 900  
 QY 689 TCATGTTCCAGCTGAGTCTTTTATGCCCCCTCGCATATCTTATTTGCTCTTCAAGA 748  
 Db 901 ACTACCGCTTCTGAGTGGGCTCTCTTCCCATCTGCTGCTGCTGCGCTTACCAAG 960  
 QY 749 TTGTTTGGAGCTGAGCGGAGCGAGCAGCTGCGACAGAGCTCGATGAAGAAGCGGA 808  
 Db 961 GCATCTGCGCGCGGCGGAGCGGAGCCAGCCAGCCAGAGAGCCGAGAGCAAGATCC 1020  
 QY 809 CCGCGTATCATGAGTGGCAATTTGTTTCATCATGCTTACCTGCCAGCGCTGTCTG 868  
 Db 1021 AGCGGCTGTCTGACGACCGGTGTCTCTCTGCGCTGCTCTGCTTACCAAGTGT 1080  
 QY 869 CTAGACTATTTCTCTGACGAGTGGCTCGAGTGGCTGCTGCTGCTGCTGCTGCTGCTG 928  
 Db 1081 TGCTGCTGTGCGGAGCTCTGAGGAGCGAGCTGCGACTTGGCCAGGGGCTTTTCAAG 1140  
 QY 929 CCCTGCACTAACCTGAGCTTCACTTCAATGAACAGCATGCTGATCCCTGCTGATTT 988  
 Db 1141 CCTACCACTTCTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200  
 QY 989 ATTTTCAAGC 999  
 Db 1201 GCTTGTGTACG 1211

## RESULT 14

US-08-442-134A-1  
 ; Sequence 1, Application US/08442134A  
 ; Patent No. 5596088

## GENERAL INFORMATION:

APPLICANT: Boucher, Richard C.  
 APPLICANT: Weisman, Gary A.  
 APPLICANT: Turner, John T.  
 APPLICANT: Harden, Thomas K.  
 APPLICANT: Parr, Claude E.  
 APPLICANT: Sullivan, Daniel M.  
 APPLICANT: Erb, Laura  
 TITLE OF INVENTION: DNA Encoding the Human P2U Receptor and  
 TITLE OF INVENTION: Null Cells Expressing p2U Receptors  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Bell, Selzer, Park & Gibson  
 STREET: Post Office Drawer 34009  
 CITY: Charlotte  
 STATE: No. 5596088th Carolina  
 COUNTRY: USA  
 ZIP: 28234

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/442,134A  
 FILING DATE: 16-MAY-1995  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sibley, Kenneth D.  
 REGISTRATION NUMBER: 31,665  
 REFERENCE/DOCKET NUMBER: 5470-71A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-420-2200  
 TELEFAX: 919-881-3175  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1842 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single

TOPOLOGY: linear  
 MOLECULE TYPE: CDNA  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 57..1181  
 US-08-442-134A-1

Query Match 7.8%; Score 92.6; DB 1; Length 1842;  
 Best Local Similarity 51.3%; Fred. No. 4.3e-16;  
 Matches 215; Conservative 0; Mismatches 204; Indels 0; Gaps 0;

QY 163 GGGTCGTGCTGCGCATGAGGAGGAGACCAATCTCCAGAGATGCGCCGCTGCTATT 222  
 Db 120 GGGTACAGGTGCGCTTCAACAGAGACTTCAAGTACGCTGCTGCTGCTTCAAGC 179  
 QY 223 GTGGCTTTGTCTGAGGAGCACTAGGCAATGGAGTGGCTGTGTGTTTGTCTTCAC 282  
 Db 180 GTGGTGTGCTGCTTGGGCTGTGTCTGAACGCGGCTGCTTACATCTTGTGCGCG 239  
 QY 283 ATGAAGACCTGGAAGCCAGACAGCTTTTACCTTTTCAATTTGGCCGTGATTTCTC 342  
 Db 240 CTCAAGACCTGGAATGCTTCAACATATATTTTCACTGCTGTGTGTGATGCACTG 299  
 QY 343 CTTATGATCTGCTGCTCTTTTGGACAGACTATTACTTCAGACGTGACACTGGGCTTT 402  
 Db 300 TATGGGCTCTCCCTGCGCTGCTGTCTTATTAAGCGCGGAGCACTGGCCCTTC 359  
 QY 403 GGGACATTTCCCTGCGAGTGGGCTTTCACTGTTGGCATGAACAGGCGGAGCATC 462  
 Db 360 AGCAGGCTCTGCAAGCTGTGGCTTCTCTTCTTACCAACCTTTATCGAGGATC 419  
 QY 463 GTGTCTTTACGAGTGTGGCTGCGGACAGTATTTCAAGTGTCCACCCCAACAGCG 522  
 Db 420 CTCTTCTTCACTGATAGGTGACCGGTGTCTGGGCGCTTACCACTTCTGCTCC 479  
 QY 523 GTGAACATATCTCCACCGGAGTGGGCTGAGCTGCTGCTGCTGCTGCTGCTGCTG 581  
 Db 480 CTGGCTGGGCGCGGCGCGCTGAGCTGCGGAGTGGGCGGCGGCTGTGTGTGTGT 538

## RESULT 15

US-08-444-581B-1  
 ; Sequence 1, Application US/08444581B  
 ; Patent No. 5607836

## GENERAL INFORMATION:

APPLICANT: Boucher, Richard C.  
 APPLICANT: Weisman, Gary A.  
 APPLICANT: Turner, John T.  
 APPLICANT: Harden, Thomas K.  
 APPLICANT: Parr, Claude E.  
 APPLICANT: Sullivan, Daniel M.  
 APPLICANT: Erb, Laura  
 TITLE OF INVENTION: DNA Encoding the Human P2U Receptor and  
 TITLE OF INVENTION: Null Cells Expressing p2U Receptors  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Bell, Selzer, Park & Gibson  
 STREET: Post Office Drawer 34009  
 CITY: Charlotte  
 STATE: No. 5607836th Carolina  
 COUNTRY: USA  
 ZIP: 28234

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/444,581B  
 FILING DATE: 19-MAY-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/442,134  
FILING DATE: 16-MAY-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Sibley, Kenneth D.  
REGISTRATION NUMBER: 31,665  
REFERENCE/DOCKET NUMBER: 5470-71A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-420-2200  
TELEFAX: 919-881-3175  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1842 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 57..1181  
US-08-444-581B-1

Query Match 7.8%; Score 92.6; DB 1; Length 1842;  
Best Local Similarity 51.3%; Pred. No. 4.3e-16;  
Matches 215; Conservative 0; Mismatches 204; Indels 0; Gaps 0;

QY 163 GGGTCTGTGCGCGCATGAGGGGAGACACATCTCCAGGTGATGCCGCGTGTCTATT 222  
DB 120 GGGTCTGTGCGCGCATGAGGGGAGACACATCTCCAGGTGATGCCGCGTGTCTATT 179  
QY 223 GTGGCTTTGTGCTGGGGGCGCACTAGGCAATGGGCTGTGTGATTTCTGCTTCAC 282  
DB 180 GTGGCTTTGTGCTGGGGGCGCACTAGGCAATGGGCTGTGTGATTTCTGCTTCAC 239  
QY 283 ATGAAGCTTGAAGCCGACGACTGTTAAGTTTCAATTGGCCGTGCTGATTTCTC 342  
DB 240 CTCAAGACTTGAAGCCGACGACTGTTAAGTTTCAATTGGCCGTGCTGATTTCTC 299  
QY 343 CTTATGATCTGCTGCTTTTGGACAGCTTAACTTCAAGCTAGACACTGGGCTTTT 402  
DB 300 TATGGGCTCTGCTGCGCTGTGTGCTATTAAGCTTCAAGCTAGACACTGGGCTTTT 359  
QY 403 GGGGACATTCCTGCGCGAGTGGGGCTTTTCAAGTTGGCCATGACAGGGCGGGAGCATC 462  
DB 360 AGCAGGCTCTGCGAGCTGGGGCTTCTCTTACACCACTTTACTGCGAGCATC 419  
QY 463 GTGTTCTTACGAGTGTGCTGCGAGAGATTTCAAGTGTCCACCCGACACCGCG 522  
DB 420 CTTTCTTCACTGATGATGACGCGTGCACCGGTGTGGGGCTTTACGACCTTGTGCTTC 479  
QY 523 GTGAACATATCTCCACCGGGGTGGGGCTGGCATGCTGACCCCTGTGGGCTTGT 581  
DB 480 CTGGCTGGGGCGGGCGCTTACGCTGCCCGGGGTGGGGCGGTGTGGGTGTGTGT 538

Search completed: April 3, 2003, 22:47:29  
Job time : 70 secs



OY	181	GAGGGGACACATCTCCAGGTATGCGCGCTGCATTTGGGCTTTGTCTGGG	240
Db	181	GAGGGGACACATCTCCAGGTATGCGCGCTGCATTTGGGCTTTGTCTGGG	240
OY	241	GCATGAGCAATGGGGTCGCCCTGTGTGTTTCTGCTTCAATGAAGACTGGAAGCC	300
Db	241	GCATGAGCAATGGGGTCGCCCTGTGTGTTTCTGCTTCAATGAAGACTGGAAGCC	300
OY	301	AGCATGTTTACCTTTCAATTTGGCGTGGCTAATTTCTCTTAATGATCTGCTGCT	360
Db	301	AGCATGTTTACCTTTCAATTTGGCGTGGCTAATTTCTCTTAATGATCTGCTGCT	360
OY	361	TTTGGGAACACATATTAATCTTAAGACTGAACACTGGGCTTTTGGGACATTCCTGCCGA	420
Db	361	TTTGGGAACACATATTAATCTTAAGACTGAACACTGGGCTTTTGGGACATTCCTGCCGA	420
OY	421	GTGGGGCTCTTACGTTGGCCATGAACAGGGCCGGAGACATCGATGTTCTTACGTTG	480
Db	421	GTGGGGCTCTTACGTTGGCCATGAACAGGGCCGGAGACATCGATGTTCTTACGTTG	480
OY	481	GCTGCGGACAGGTATTTTAAAGTGTCCACCCCAACAGCGGTGAACATATCTCAC	540
Db	481	GCTGCGGACAGGTATTTTAAAGTGTCCACCCCAACAGCGGTGAACATATCTCAC	540
OY	541	CGGGTGGGGGCTGGGATGTTGCAACCGTGAGGCGCTGATCTCTGGGAAAGTGTAT	600
Db	541	CGGGTGGGGGCTGGGATGTTGCAACCGTGAGGCGCTGATCTCTGGGAAAGTGTAT	600
OY	601	CTTTTGCTGGAACCATCTCTGGGTGAAGACGCGCTCTCTGTAGAGCTTCA	660
Db	601	CTTTTGCTGGAACCATCTCTGGGTGAAGACGCGCTCTCTGTAGAGCTTCA	660
OY	661	ATGGATCGGGCAATAGGCGGACAGCAATGATCCAGCTGAGATTCTTATGCCCC	720
Db	661	ATGGATCGGGCAATAGGCGGACAGCAATGATCCAGCTGAGATTCTTATGCCCC	720
OY	721	GGCATCATTTATTTTGTCTCTTCAAGATGTTTGGAGCTTGAAGCGGACGACGCTG	780
Db	721	GGCATCATTTATTTTGTCTCTTCAAGATGTTTGGAGCTTGAAGCGGACGACGCTG	780
OY	781	GGCAGACAGGCTCGGATGAAGAAGCGACCGGGTCAATAGTGGTGGCAATTGTTC	840
Db	781	GGCAGACAGGCTCGGATGAAGAAGCGACCGGGTCAATAGTGGTGGCAATTGTTC	840
OY	841	ATCACTGCTACCTGCCAGCGGTGTCTGTAGACTCTATTTTCTGTGACGGTGCCTCG	900
Db	841	ATCACTGCTACCTGCCAGCGGTGTCTGTAGACTCTATTTTCTGTGACGGTGCCTCG	900
OY	901	AGTGCCTGGATCCCTGTGTCCATGGGGCCGCGACATPAACCTCAGCTTCAACCTGAC	960
Db	901	AGTGCCTGGATCCCTGTGTCCATGGGGCCGCGACATPAACCTCAGCTTCAACCTGAC	960
OY	961	AACAGCATCTGATCCCTGTGTATTTATTTTCAAGCCCTCTTTCCAAATTCAC	1020
Db	961	AACAGCATCTGATCCCTGTGTATTTATTTTCAAGCCCTCTTTCCAAATTCAC	1020
OY	1021	AACAGCTAAATCTGCACTGTGAACCCAGCAAGCAGGACATCAAAAACAAAG	1080
Db	1021	AACAGCTAAATCTGCACTGTGAACCCAGCAAGCAGGACATCAAAAACAAAG	1080
OY	1081	CCGGAAGAGATGCAATTTTGAACCTCGGTGACAGAGATTGATCAGTGTGGCAATAGT	1140
Db	1081	CCGGAAGAGATGCAATTTTGAACCTCGGTGACAGAGATTGATCAGTGTGGCAATAGT	1140
OY	1141	TTTCAAGCGATCTGATGGGCAATGGATCCCAATTTGTTGAATGGCACTGA	1194
Db	1141	TTTCAAGCGATCTGATGGGCAATGGATCCCAATTTGTTGAATGGCACTGA	1194

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: GENERAL INFORMATION:
: APPLICANT: Bristol-Myers Squibb Company
: TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR
: TITLE OF INVENTION: HGPBEM127
: FILE REFERENCE: D0134.NP
: CURRENT APPLICATION NUMBER: US/10/092,135
: CURRENT FILING DATE: 2002-03-06
: PRIOR APPLICATION NUMBER: US 60/273,808
: PRIOR FILING DATE: 2001-03-07
: PRIOR APPLICATION NUMBER: US 60/278,983
: PRIOR FILING DATE: 2001-03-27
: NUMBER OF SEQ ID NOS: 75
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 1
: LENGTH: 2580
: TYPE: DNA
: ORGANISM: homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (457)..(1482)
: US-10-092-135-1

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Query Match	96.2%	Score 1148.2	DB 9	Length 2580
Best Local Similarity	99.0%	Pred. No. 0	Mismatches 9	Indels 2
Matches 1175	Conservative 1	Mismatches 0	Indels 9	Gaps 2
QY 8 CCAACCCACACACACAGAGACCCGCATCCTCGGTGATGTAAGTCAGACACACAGCAGCTGG 67				
Db 311 CAAACCCACACACACAGAGACCCGCATCCTGGGTGATGTAAGTCAGACACAGCAGCAGCTGG 370				
QY 68 TGAAGCTPAAAGCTCAGATAAGCATCTGTGCCATTGTGGGAACTCCCTGGGCTGCTCTGC 127				
Db 371 TGAAGCTAACGCTCAAGATAAGCATCTGTGCCATTGTGGGAACTCCCTGGGCTGCTCTGC 430				
QY 128 ACCGGGACACCTGCTCTGTCCCGGCAATGTAACAGGGGCGGTGCTCGCGCATCGAAGGG 187				
Db 431 ACCGGGACACCTGCTCTGTCCCGGCAATGTAACAGGGGCGGTGCTCGCGCATCGAAGGG 490				
QY 188 ACACATCTCCAGGTGATGTCGGCGGCTCATTTGTGGCCCTTTGTGCTGGGGCACTAG 247				
Db 491 ACACATCTCCAGGTGATGTCGGCGGCTCATTTGTGGCCCTTTGTGCTGGGGCACTAG 550				
QY 248 GCAATGGGGTGGCCCTGTGTGTTTCTGCTTCCACATGAAGCCTGGAAGCCGACACTG 307				
Db 551 GCAATGGGGTGGCCCTGTGTGTTTCTGCTTCCACATGAAGCCTGGAAGCCGACACTG 610				
QY 308 TTCTACCTTTGAATTTGGCCGTGGGTGATTCCTCCTATATGATCTGGCCTTTTCGGA 367				
Db 611 TTCTACCTTTGAATTTGGCCGTGGGTGATTCCTCCTATATGATCTGGCCTTTTCGGA 670				
QY 368 CAGACTATTACCTCAGACGTATACACTGTGGGCTTTTGGGGACATTCCTCGCCGAGTGGGG 427				
Db 671 CAGACTATTACCTCAGACGTATACACTGTGGGCTTTTGGGGACATTCCTCGCCGAGTGGGG 730				
QY 428 TCTTCACGTTGGCCATGAAACAGGGCCGGGAGCATGTGTTCTTTACGTTGGTGGCTGG 487				
Db 731 TCTTCACGTTGGCCATGAAACAGGGCCGGGAGCATGTGTTCTTTACGTTGGTGGCTGG 790				
QY 488 ACGAGTATTTGAAATGTGTGCCACCCCAACAGGGGTGAACCTATCTCCACCCGGGTGG 547				
Db 791 ACGAGTATTTGAAATGTGTGCCACCCCAACAGGGGTGAACCTATCTCCACCCGGGTGG 850				
QY 548 CGAGCTGCATCGTGTGCAACCTGTGGGGCCTGTGATCCTCGGGAAACAGTGTATCTTTTGC 607				
Db 851 CGAGCTGCATCGTGTGCAACCTGTGGGGCCTGTGATCCTCGGGAAACAGTGTATCTTTTGC 910				
QY 608 TGGAGAACCATCTCTGCGTGAAGAGACGGCCGTCTCTGTGAAGCTTCATCATGGAGT 667				
Db 911 TGGAGAACCATCTCTGCGTGAAGAGACGGCCGTCTCTGTGAAGCTTCATCATGGAGT 970				
QY 668 CGGCCAATGGCTGGCAACCATCATGTTCCACTGGAGTTCTTTAATGGCCCTCGGACATA 727				
Db 971 CGGCCAATGGCTGGCAACCATCATGTTCCACTGGAGTTCTTTAATGGCCCTCGGACATA 1030				

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Qy 728 TCTATTTTCTCTCTCAAGATTGTTTGAAGCCTGAGCGGAGGACAGACTGCGCCAGAC 787
Db 1031 TCTATTTTCTCTCTCAAGATTGTTTGAAGCCTGAGCGGAGGACAGACTGCGCCAGAC 1090
Qy 788 AGGCTGGAGGAAGGAAGGACCCCGGTTCAATCATGATGGTGGCAATTTGTTTATCAAT 847
Db 1091 AGGCTGGAGGAAGGAAGGACCCCGGTTCAATCATGATGGTGGCAATTTGTTTATCAAT 1150
Qy 848 GCTACCTGCGCAGCGTGTCTGCTAGACTTATTTCTCTGAGGAGGTCCTGAGGCT 907
Db 1151 GCTACCTGCGCAGCGTGTCTGCTAGACTTATTTCTCTGAGGAGGTCCTGAGGCT 1210
Qy 908 GCGATCCTCTGTTCATGAGGCGCTGACATTAACCTCACTTCACTATGAGCA 967
Db 1211 GCGATCCTCTGTTCATGAGGCGCTGACATTAACCTCACTTCACTATGAGCA 1270
Qy 968 TGTGGATGCGCGGTGTATTTTTCAGAGCCCTCTCTTCCCAATTTTCAACAAGC 1027
Db 1271 TGTGGATGCGCGGTGTATTTTTCAGAGCCCTCTCTTCCCAATTTTCAACAAGC 1330
Qy 1028 TCAAAATCTGAGCTGTAACCCAGACGACGACGACACTCAAAAACAAAGGCGGAG 1087
Db 1331 TCAAAATCTGAGCTGTAACCCAGACGACGACGACACTCAAAAACAAAGGCGGAG 1390
Qy 1088 AGATGCCAATTTGGAACCTGCTGCGAGAGATTGATCAAGTGGCAAAATGTTTCCAA 1147
Db 1391 AGATGCCAATTTGGAACCTGCTGCGAGAGATTGATCAAGTGGCAAA-AGTTTCCAA 1449
Qy 1148 GCCAGCTGATGAGGCAATGGGATCCCACTGTTGAGTGGCACTGA 1194
Db 1450 GCCAGCTGATGAGGCAATGGGATCCCACTGTTGAGTGGCACTGA 1495

```

## RESULT 3

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US-09-942-374-3
; Sequence 3, Application US/09942374
; Patent No. US20020137063A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria Alexandra
; APPLICANT: Giorno, Ruth
; APPLICANT: White, David
; TITLE OF INVENTION: Receptor Family Member and Uses Therefor
; FILE REFERENCE: MP12000-368PLR
; CURRENT APPLICATION NUMBER: US/09/942,374
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: US 60/228,409
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: human
US-09-942-374-3

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Query Match 87.2%; Score 1041; DB 10; Length 1041;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1041; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 154 ATGTACAAAGGATGCTGCTGCGGACATCGAGGGGACACATTTCCAGGTATGCGCGG 213
Db 1 ATGTACAAAGGATGCTGCTGCGGACATCGAGGGGACACATTTCCAGGTATGCGCGG 60
Qy 214 CTGCTCATTTGTGCGCTTTGTGCTGAGCGACATGAGCAATGGGGTGCCTGTGTTTC 273
Db 61 CTGCTCATTTGTGCGCTTTGTGCTGAGCGACATGAGCAATGGGGTGCCTGTGTTTC 120
Qy 274 TGGCTTCCATGAAAGACCTGGAGGACCCAGCACTGTTTAACTTTTAAATTTGGCGTCT 333
Db 121 TGGCTTCCATGAAAGACCTGGAGGACCCAGCACTGTTTAACTTTTAAATTTGGCGTCT 180

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Qy 334 GATTTCTCTTATGATCTGCTGCTTTTTCGACAGACTATTTCTCAGAGCTAGAC 393
Db 181 GATTTCTCTTATGATCTGCTGCTTTTTCGACAGACTATTTCTCAGAGCTAGAC 240
Qy 394 TGGCTTTTGGGAGCAATTCCTGCGAGGTGGGCTTTTCAAGTTGGCATGAAGGAGCC 453
Db 241 TGGCTTTTGGGAGCAATTCCTGCGAGGTGGGCTTTTCAAGTTGGCATGAAGGAGCC 300
Qy 454 GGGAGCATGCTGCTTCTTACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 513
Db 301 GGGAGCATGCTGCTTCTTACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Qy 514 CACCAAGGAGTGAACACTATCTCAACCGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 573
Db 361 CACCAAGGAGTGAACACTATCTCAACCGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 420
Qy 574 GCGCTGTGATCTGAGGAACAGTATCTTTTGTGTGAGAACATCTCTGAGCAAGAG 633
Db 421 GCGCTGTGATCTGAGGAACAGTATCTTTTGTGTGAGAACATCTCTGAGCAAGAG 480
Qy 634 AAGGCGGTCTCTGTGAGAGCTTATGATGAGAGTGGAGTGGAGTGGAGTGGAGTGGAG 693
Db 481 AAGGCGGTCTCTGTGAGAGCTTATGATGAGAGTGGAGTGGAGTGGAGTGGAGTGGAG 540
Qy 694 TTCCAGCTGAGTCTTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 753
Db 541 TTCCAGCTGAGTCTTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Qy 754 TGGAGCTGAGGCGGAGGACGAGCTGCGGACAGAGGCTGAGTGAAGAGGAGGAGCC 813
Db 601 TGGAGCTGAGGCGGAGGACGAGCTGCGGACAGAGGCTGAGTGAAGAGGAGGAGCC 660
Qy 814 TTCAATGAGTGGAGGAATTTGTTTATGATGATGATGATGATGATGATGATGATGATG 873
Db 661 TTCAATGAGTGGAGGAATTTGTTTATGATGATGATGATGATGATGATGATGATGATG 720
Qy 874 CTCTATTTCTCTGAGAGGCTGCTGAGTGGCTGAGTGGCTGAGTGGCTGAGTGGCT 933
Db 721 CTCTATTTCTCTGAGAGGCTGCTGAGTGGCTGAGTGGCTGAGTGGCTGAGTGGCT 780
Qy 934 CACATTAACCTCTGAGCTTACCTTACATGAAAGATGATGATGATGATGATGATGATG 993
Db 781 CACATTAACCTCTGAGCTTACCTTACATGAAAGATGATGATGATGATGATGATGATG 840
Qy 994 TCAAGCCCTCTCTTCCCAATTTCTCAACAAGCTCAAAATCTGAGTGGAGAACCCAG 1053
Db 841 TCAAGCCCTCTCTTCCCAATTTCTCAACAAGCTCAAAATCTGAGTGGAGAACCCAG 900
Qy 1054 CAGCCAGGACATCAAAAACAAAGGCGGAGAGATGCAATTTTGAACCTGCTGCG 1113
Db 901 CAGCCAGGACATCAAAAACAAAGGCGGAGAGATGCAATTTTGAACCTGCTGCG 960
Qy 1114 AGGAGTGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1173
Db 961 AGGAGTGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Qy 1174 CACATTTGATGAGTGAAGTGA 1194
Db 1021 CACATTTGATGAGTGAAGTGA 1041

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## RESULT 4

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US-09-886-041-1
; Sequence 1, Application US/09886041
; Publication No. US2003005969A1
; GENERAL INFORMATION:
; APPLICANT: XIA, TAI-HE
; APPLICANT: NI, DONGHUI
; APPLICANT: EISHINGREDO, HAIFENG
; APPLICANT: ARDATI, ALI
; APPLICANT: MINNICH, ANNE
; APPLICANT: JUPP, RAY
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTOR

```

FILE REFERENCE: 41491  
 CURRENT APPLICATION NUMBER: US/09/886,041  
 CURRENT FILING DATE: 2001-06-22  
 NUMBER OF SEQ ID NOS: 12  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 1  
 LENGTH: 1041  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-886-041-1

Query Match 87.1%; Score 1039.4; DB 9; Length 1041;  
 Best Local Similarity 99.9%; Pred. No. 0;  
 Matches 1040; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 154 ATGTACAAAGGGTCTGTGCTGCTCCGCAATCGAGGGGACACCAATCTCCAGGTATGCCCCG 213  
 DB 1 ATGTACAAAGGGTCTGTGCTGCTCCGCAATCGAGGGGACACCAATCTCCAGGTATGCCCCG 60  
 QY 214 CTGCTCATTTGGGCTTTGTGTGGGGCCACTAGGCAATGGGGTGGCCCTGTGTGTTTC 273  
 DB 61 CTGCTCATTTGGGCTTTGTGTGGGGCCACTAGGCAATGGGGTGGCCCTGTGTGTTTC 120  
 QY 274 TGTCTCAATGAGACCTGGAAGCCAGCACTGTTTACCTTTCAATTTGGCGTGCT 333  
 DB 121 TGTCTCAATGAGACCTGGAAGCCAGCACTGTTTACCTTTCAATTTGGCGTGCT 180  
 QY 334 GATTTCCTCTTATGATCTGCTGCTTTTGGAGACACTATTACTCAGACGTAGAC 393  
 DB 181 GATTTCCTCTTATGATCTGCTGCTTTTGGAGACACTATTACTCAGACGTAGAC 240  
 QY 394 TGGGCTTTTGGGACATTCCTGCGAGTGGGGCTCTTACAGTTGGCCATGAACAGGGCC 453  
 DB 241 TGGGCTTTTGGGACATTCCTGCGAGTGGGGCTCTTACAGTTGGCCATGAACAGGGCC 300  
 QY 454 GGGAGCATGTTCTTACGAGTGTGCTGGGACAGGTATTGAAAGTGTCACCCC 513  
 DB 301 GGGAGCATGTTCTTACGAGTGTGCTGGGACAGGTATTGAAAGTGTCACCCC 360  
 QY 514 CACCAAGCGGTGAACACTATCTCCACCCGGGTGGCGCTGGCATGTCACCCCTGG 573  
 DB 361 CACCAAGCGGTGAACACTATCTCCACCCGGGTGGCGCTGGCATGTCACCCCTGG 420  
 QY 574 GCGCTGGTATCTGGGACAGGTATCTTTGTGAGAACATCTGCTGAGCAAG 633  
 DB 421 GCGCTGGTATCTGGGACAGGTATCTTTGTGAGAACATCTGCTGAGCAAG 480  
 QY 634 ACGGCGGTCTCTGTGAGAGCTTTCATGAGTGGCCATGGCTGGCAGCATCATG 693  
 DB 481 ACGGCGGTCTCTGTGAGAGCTTTCATGAGTGGCCATGGCTGGCAGCATCATG 540  
 QY 694 TTCGAGTGAAGTCTTTTATGCCCCCGGATCATCTTATTTTGTGCTTCAAGATTGTT 753  
 DB 541 TTCGAGTGAAGTCTTTTATGCCCCCGGATCATCTTATTTTGTGCTTCAAGATTGTT 600  
 QY 754 TGGAGCTGAGGGGAG 813  
 DB 601 TGGAGCTGAGGGGAG 660  
 QY 814 TTCATGAGTGTGGCAATTGTTTCATGACATGCTACCTGCGCAGCGTGTCTGTA 873  
 DB 661 TTCATGAGTGTGGCAATTGTTTCATGACATGCTACCTGCGCAGCGTGTCTGTA 720  
 QY 874 CTCTATTTCTCTGGAAGGAGGCTGAGTGGCTGGATCCCTGTGCTGAGGGGCGCTG 933  
 DB 721 CTCTATTTCTCTGGAAGGAGGCTGAGTGGCTGGATCCCTGTGCTGAGGGGCGCTG 780  
 QY 934 CACATAACCTCTAGTTCACTTACATGAACAGCATCTGGATCCCTGTGTAATTTT 993  
 DB 781 CACATAACCTCTAGTTCACTTACATGAACAGCATCTGGATCCCTGTGTAATTTT 840  
 QY 994 TCAAGCCCTCTCTTCCCAATTCTACCAACAGCTCAAAATCTGCAAGTGTGAACCCAG 1053

DB 841 TCAAGCCCTCTCTTCCCAATTCTACCAACAGCTCAAAATCTGCAAGTGTGAACCCAG 900  
 QY 1054 CAGCCAGGACACTCAAAAACCAAGGCGGAGAGATGCCAATTTGSAACCTGCGTGC 1113  
 DB 901 CAGCCAGGACACTCAAAAACCAAGGCGGAGAGATGCCAATTTGSAACCTGCGTGC 960  
 QY 1114 AGAGTTGATCATGATGTGGCAATAGTTTCCAAAGCAGTCTGATGGCAATGGATCC 1173  
 DB 961 AGAGTTGATCATGATGTGGCAATAGTTTCCAAAGCAGTCTGATGGCAATGGATCC 1020  
 QY 1174 CACATTGTTAGTGGCCTGA 1194  
 DB 1021 CACATTGTTAGTGGCCTGA 1041

RESULT 5  
 US-09-862-274-1  
 ; Sequence 1, Application US/09862274  
 ; Patent No. US20020052022A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ELSHOURBAGY, NABIL  
 ; APPLICANT: GATTU, MAHANANDESHWAR  
 ; APPLICANT: SHABON, USMAN  
 ; APPLICANT: IGAR, DIANE MICHELE  
 ; TITLE OF INVENTION: MOLECULAR CLONING OF A CHEMOKINE LIKE  
 ; FILE REFERENCE: GP-70703-1  
 ; CURRENT APPLICATION NUMBER: US/09/862,274  
 ; PRIOR FILING DATE: 2001-05-22  
 ; PRIOR APPLICATION NUMBER: US 09/580,675  
 ; PRIOR FILING DATE: 2000-05-30  
 ; PRIOR APPLICATION NUMBER: GB 0026839.1  
 ; PRIOR FILING DATE: 2000-11-02  
 ; NUMBER OF SEQ ID NOS: 2  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 1  
 ; LENGTH: 1041  
 ; TYPE: DNA  
 ; ORGANISM: HOMO SAPIENS  
 US-09-862-274-1

Query Match 87.1%; Score 1039.4; DB 10; Length 1041;  
 Best Local Similarity 99.9%; Pred. No. 0;  
 Matches 1040; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 154 ATGTACAAAGGGTCTGTGCTGCTCCGCAATCGAGGGGACACCAATCTCCAGGTATGCCCCG 213  
 DB 1 ATGTACAAAGGGTCTGTGCTGCTCCGCAATCGAGGGGACACCAATCTCCAGGTATGCCCCG 60  
 QY 214 CTGCTCATTTGGGCTTTGTGTGGGGCCACTAGGCAATGGGGTGGCCCTGTGTGTTTC 273  
 DB 61 CTGCTCATTTGGGCTTTGTGTGGGGCCACTAGGCAATGGGGTGGCCCTGTGTGTTTC 120  
 QY 274 TGTCTCAATGAGACCTGGAAGCCAGCACTGTTTACCTTTCAATTTGGCGTGCT 333  
 DB 121 TGTCTCAATGAGACCTGGAAGCCAGCACTGTTTACCTTTCAATTTGGCGTGCT 180  
 QY 334 GATTTCCTCTTATGATCTGCTGCTTTTGGAGACACTATTACTCAGACGTAGAC 393  
 DB 181 GATTTCCTCTTATGATCTGCTGCTTTTGGAGACACTATTACTCAGACGTAGAC 240  
 QY 394 TGGGCTTTTGGGACATTCCTGCGAGTGGGGCTCTTACAGTTGGCCATGAACAGGGCC 453  
 DB 241 TGGGCTTTTGGGACATTCCTGCGAGTGGGGCTCTTACAGTTGGCCATGAACAGGGCC 300  
 QY 454 GGGAGCATGTTCTTACGAGTGTGCTGGGACAGGTATTGAAAGTGTCACCCC 513  
 DB 301 GGGAGCATGTTCTTACGAGTGTGCTGGGACAGGTATTGAAAGTGTCACCCC 360  
 QY 514 CACCAAGCGGTGAACACTATCTCCACCCGGGTGGCGCTGGCATGTCACCCCTGG 573  
 DB 361 CACCAAGCGGTGAACACTATCTCCACCCGGGTGGCGCTGGCATGTCACCCCTGG 420



QY 574 GCCCTGGTCATCTGGGAACAGTATCTTTGCTGGAGAACCATCTGCGTGAAGAG 633  
 Db 421 GCCCTGGTCATCTGGGAACAGTATCTTTGCTGGAGAACCATCTGCGTGAAGAG 480  
 QY 634 ACCGCGGCTCTCTGAGAGCTTCATCATGAGTGGCGCAATGGCTGGAGACATCATG 693  
 Db 481 ACCGCGGCTCTCTGAGAGCTTCATCATGAGTGGCGCAATGGCTGGAGACATCATG 540  
 QY 694 TTCCAGCTGGAGTCTTTATGCCCCCTGGCATCATCTTATTTGGCTCTTCAAGATTGT 753  
 Db 541 TTCCAGCTGGAGTCTTTATGCCCCCTGGCATCATCTTATTTGGCTCTTCAAGATTGT 600  
 QY 754 TGGAGCTGAGGCGGAGGACAGAGCTGGCCAGACAGGCTGGATGAAAGAGGAGCCGG 813  
 Db 601 TGGAGCTGAGGCGGAGGACAGAGCTGGCCAGACAGGCTGGATGAAAGAGGAGCCGG 660  
 QY 814 TTCAATCATGAGTGGAGCAATTTGTTCATCATGCTACCTGGCCAGGCTGTCTGTAGA 873  
 Db 661 TTCAATCATGAGTGGAGCAATTTGTTCATCATGCTACCTGGCCAGGCTGTCTGTAGA 720  
 QY 874 CTCTATTTCTTGGAGCGGTGCCCCCTGAGTGGCTGCGATCCCTGTGCATGGGGCCCTG 933  
 Db 721 CTCTATTTCTTGGAGCGGTGCCCCCTGAGTGGCTGCGATCCCTGTGCATGGGGCCCTG 780  
 QY 934 CACATTAACCTCAGCTTCACTACATGAACAAGCATGCTGATCCCTGTGTATTTATTTT 993  
 Db 781 CACATTAACCTCAGCTTCACTACATGAACAAGCATGCTGATCCCTGTGTATTTATTTT 840  
 QY 994 TCAAGCCCTCTCTTCCCAATTCCTACAAAGCTCAAAATCTGAGTGGAGAACCCAG 1053  
 Db 841 TCAAGCCCTCTCTTCCCAATTCCTACAAAGCTCAAAATCTGAGTGGAGAACCCAG 900  
 QY 1054 CAGCGAGACACTCAAAAACAAAGGCCGGAAGAGATGGCAATTTGAAACCTCGGTGCG 1113  
 Db 901 CAGCGAGACACTCAAAAACAAAGGCCGGAAGAGATGGCAATTTGAAACCTCGGTGCG 960  
 QY 1114 AGAGATTGCACTGCTGAGCAATTTGTTTCAAAAGCCATGCTGATGGGCAATGGATCCC 1173  
 Db 961 AGAGATTGCACTGCTGAGCAATTTGTTTCAAAAGCCATGCTGATGGGCAATGGATCCC 1020  
 QY 1174 CACATTGTTAGTGGGCACTGA 1194  
 Db 1021 CACATTGTTAGTGGGCACTGA 1041  
 RESULT 6  
 ; Sequence 7, Application US/10094417  
 ; Publication No. US20030045685A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tian, Hui  
 ; APPLICANT: Zhao, Jiaqiang  
 ; APPLICANT: Chen, Jin-Long  
 ; APPLICANT: Cutler, Gene  
 ; APPLICANT: Tularik Inc.  
 ; TITLE OF INVENTION: No. US20030045685A1e1 Receptors  
 ; FILE REFERENCE: 018781-008110US  
 ; CURRENT APPLICATION NUMBER: US/10/094,417  
 ; CURRENT FILING DATE: 2002-06-10  
 ; PRIOR APPLICATION NUMBER: US 09/802,803  
 ; PRIOR FILING DATE: 2001-03-09  
 ; PRIOR APPLICATION NUMBER: US 60/276,649  
 ; PRIOR FILING DATE: 2001-03-16  
 ; NUMBER OF SEQ ID NOS: 43  
 ; SOFTWARE: Patent In Ver. 2.1  
 ; SEQ ID NO 7  
 ; LENGTH: 1041  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: human G-protein coupled receptor (GPCR) TGR183  
 ; NAME/KEY: CDS

; LOCATION: (1)..(1041)  
 ; OTHER INFORMATION: human G-protein coupled receptor (GPCR) TGR183  
 ; US-10-094-417-7  
 Query Match 86.8%; Score 1036.2; DB 9; Length 1041;  
 Best Local Similarity 99.7%; Pred. No. 0;  
 Matches 1038; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 154 ATGTTCACACGGGTGCTGCTGGCGCATGAGGGGAGACACATCTCCAGGTATGCCCCG 213  
 Db 1 ATGTTCACACGGGTGCTGCTGGCGCATGAGGGGAGACACATCTCCAGGTATGCCCCG 60  
 QY 214 CTGCTCATTTGAGGCTTTGTGCTGGGCGCATAGGCAATGGAGTGGAGTGGTGTTC 273  
 Db 61 CTGCTCATTTGAGGCTTTGTGCTGGGCGCATAGGCAATGGAGTGGAGTGGTGTTC 120  
 QY 274 TGGTTCACATGAGACCTGGAAGCCAGCATGTTTACCTTTCAATTTGGCCGTGACT 333  
 Db 121 TGGTTCACATGAGACCTGGAAGCCAGCATGTTTACCTTTCAATTTGGCCGTGACT 180  
 QY 334 GATTTCCCTTTATGATGCTGCTGCTTTTGGACAGACTTACCTCAGACGTAGACAC 393  
 Db 181 GATTTCCCTTTATGATGCTGCTGCTTTTGGACAGACTTACCTCAGACGTAGACAC 240  
 QY 394 TGGGCTTTTGGGACATTCCTGCGGAGTGGGCTCTTCAAGTGGGCGCATGAACAGGACC 453  
 Db 241 TGGGCTTTTGGGACATTCCTGCGGAGTGGGCTCTTCAAGTGGGCGCATGAACAGGACC 300  
 QY 454 GGGAGCATGCTGTTCTTACGCTGCTGCTGGGACAGGTATTTCAAGTGGTCAACCC 513  
 Db 301 GGGAGCATGCTGTTCTTACGCTGCTGCTGGGACAGGTATTTCAAGTGGTCAACCC 360  
 QY 514 CACCAAGCGGAGACATATCTCAACCGGCTGGGCTGGGACATCTGCAACCTCTGTG 573  
 Db 361 CACCAAGCGGAGACATATCTCAACCGGCTGGGCTGGGACATCTGCAACCTCTGTG 420  
 QY 574 GCCCTGGTCATCTGGGAACAGTATCTTTGCTGGAGAACCATCTCTGCTGCAAGAG 633  
 Db 421 GCCCTGGTCATCTGGGAACAGTATCTTTGCTGGAGAACCATCTCTGCTGCAAGAG 480  
 QY 634 ACGGCGGCTCTCTGAGAGCTTCATCATGAGTGGCGCAATGGCTGGAGACATCATG 693  
 Db 481 ACGGCGGCTCTCTGAGAGCTTCATCATGAGTGGCGCAATGGCTGGAGACATCATG 540  
 QY 694 TTCCAGCTGGAGTCTTTATGCCCCCTGGCATCATCTTATTTGGCTCTTCAAGATTGT 753  
 Db 541 TTCCAGCTGGAGTCTTTATGCCCCCTGGCATCATCTTATTTGGCTCTTCAAGATTGT 600  
 QY 754 TGGAGCTGAGGCGGAGGACAGAGCTGGCCAGACAGGCTGGATGAAAGAGGAGCCGG 813  
 Db 601 TGGAGCTGAGGCGGAGGACAGAGCTGGCCAGACAGGCTGGATGAAAGAGGAGCCGG 660  
 QY 814 TTCAATCATGAGTGGAGCAATTTGTTCATCATGCTACCTGGCCAGGCTGTCTGTAGA 873  
 Db 661 TTCAATCATGAGTGGAGCAATTTGTTCATCATGCTACCTGGCCAGGCTGTCTGTAGA 720  
 QY 874 CTCTATTTCTCTGAGAGCGGTGCCCCCTGAGTGGCTGCGATCCCTGTGCATGGGGCCCTG 933  
 Db 721 CTCTATTTCTCTGAGAGCGGTGCCCCCTGAGTGGCTGCGATCCCTGTGCATGGGGCCCTG 780  
 QY 934 CACATTAACCTCAGCTTCACTACATGAACAAGCATGCTGATCCCTGTGTATTTATTTT 993  
 Db 781 CACATTAACCTCAGCTTCACTACATGAACAAGCATGCTGATCCCTGTGTATTTATTTT 840  
 QY 994 TCAAGCCCTCTCTTCCCAATTCCTACAAAGCTCAAAATCTGAGTGGAGAACCCAG 1053  
 Db 841 TCAAGCCCTCTCTTCCCAATTCCTACAAAGCTCAAAATCTGAGTGGAGAACCCAG 900  
 QY 1054 CAGCGAGACACTCAAAAACAAAGGCCGGAAGAGATGGCAATTTGAAACCTCGGTGCG 1113  
 Db 901 CAGCGAGACACTCAAAAACAAAGGCCGGAAGAGATGGCAATTTGAAACCTCGGTGCG 960  
 QY 1114 AGAGATTGCACTGCTGAGCAATTTGTTTCAAAAGCCATGCTGATGGGCAATGGATCCC 1173

Db 961 AGGAGTTCATCAGTGTGGCAATAGTTTCCAAAGCCAGTGTGAGGCAATGGATCCC 1020  
 Qy 1174 CACATTGTTAGTGCCACTGA 1194  
 Db 1021 CACATTGTTAGTGCCACTGA 1041

## RESULT 7

US-09-962-832-218  
 ; Sequence 218, Application US/09962832  
 ; Patent No. US20020110821A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bener, Reinhard  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
 ; TITLE OF INVENTION: Sets  
 ; FILE REFERENCE: 689290-74  
 ; CURRENT APPLICATION NUMBER: US/09/962,832  
 ; CURRENT FILING DATE: 2001-09-25  
 ; PRIOR APPLICATION NUMBER: US/60/235,077  
 ; PRIOR FILING DATE: 2000-09-25  
 ; PRIOR APPLICATION NUMBER: US/60/235,280  
 ; NUMBER OF SEQ ID NOS: 259  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 218  
 ; LENGTH: 2051  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-962-832-218

Query Match 30.9%; Score 369.2; DB 10; Length 2051;  
 Best Local Similarity 64.0%; Pred. No. 1.5e-109;  
 Matches 598; Conservative 0; Mismatches 318; Indels 18; Gaps 2;

Qy 154 ATGTACACGGGTCTGTCGCCGATCGAGGGGACACCATCTCCAGGTGATGCCGCG 213  
 Db 97 ATGACACAGAAAGTCTGTGTGTTCCGAGATGACTTATGCGCAAGGTGTTGCCGCG 156  
 Qy 214 CTGCTCATTTGGCTTTGTGCTGGCGGCACTAGGAAATGGGGTGGCCCTGTGTGTTTC 273  
 Db 157 GTGTGGGGCTGAGTTTATCTTTGGGCTTCTGGGCAATGGGCTTGGCTGTGATTTTC 216  
 Qy 274 TGCTTCACATGAAGACCTGGAAGCCAGACACTGTTTACCTTTCAATTTGGCCGTGCT 333  
 Db 217 TGTTCACCTCAAGTCTGTGGAATTCAGCCGATTTTCTGTTCACCTGGCAAGTGT 276  
 Qy 334 GATTTCCTCTTATGATCTGCTGCTTTTCGACAGACTTATTACTTCAAGGTGACAC 393  
 Db 277 GACTTTCTACTGATCATCTGCTGCGCTGCTGATGACTATATGTGCGGCTTCAGAC 336  
 Qy 394 TGGGCTTTGGGGACATTCCTCCGAGTGGGGCTCTTCACTGTCGTCGTAAGACGGGCG 453  
 Db 337 TGAACCTTTGGGACATCTTGTCCGCTGTGTCTTCAATGTTTCCATGAAACGGCAG 396  
 Qy 454 GGGAGATCTGTTCTCTTACGCTGTGTGCTGCGACAGGATTTTCAAGTGTTCACCCC 513  
 Db 397 GGGAGATCATCTTCTCAAGGTGTGGGGTGTGACAGGATTTTCCGGGTGTTCATCCC 456  
 Qy 514 CACCAAGGGGTGAACATATCTCAACCCGGGTGGCGCTGGCATGTCTTCACCTGTGG 573  
 Db 457 CACCAAGCCCTGAAACAAGATCTCAATTGGAACAGACCATCATCTTCTGCTTGTGG 516  
 Qy 574 GGCCTGTATCTCGGGAACAGTATCTTTTGTGGAACACATCTGCGGTGAAG 633  
 Db 517 GGCATCATCTTTGGCCTTAACATCTCTCTTAAGAAAGATGTTGATTCAGAAATGAC 576  
 Qy 634 ACCGCGCTCTCTGTGAGACTTATCATGAGTGGCCAAATGGCTGGGACGACATCATG 693  
 Db 577 CTGCAAAATGTGATCATCACTTCAGATCTGCATATCTTCCGGGTGACGAAAGCTATG 636  
 Qy 694 TTCCAGTGAAGTTCTTTATGCCCCCTGGGATCATCTTATTTTGTCTTCAAGATTTGT 753

Db 637 TTCTCCTGGAGTTCCTCTCCGCCCCCTGGCATCATCTGTTGTCTACGCCAATATTC 696  
 Qy 754 TGAAGCTGAGGGGGGAGGAGAGCTGGCCAGACAGGCTCGGATGAAGAGCGACCCGG 813  
 Db 697 TGAAGCCTGGGAGAG---ACAAATGACCGGATGCCAATTCAGAGAGCCATCAC 753  
 Qy 814 TTGATCATGAGTGTGCAATTTGTTCATCATGATGATCTTCCAGCGGTGTCTGTAGA 873  
 Db 754 TTGATCATGAGTGTGCAATCTGTCATCTGTTCTTCCAGCGGTGTGTGGG 813  
 Qy 874 CTCTATTTCTCTGAGAGGTGCCCTC-----GAGTCCGTCATCTCTT 918  
 Db 814 ATCCGATCTTCTGCTCTCTGACACTTGGGACAGCAATTTGAATGTACCGCTG 873  
 Qy 919 GTCCATGGGGCCCTGACATTAACCTCAGCTTCACTCATGTAAGAGCATGCTGATCCC 978  
 Db 874 GTGACCTGGCGTTCTTTTATCACTTCACTTCACTTCACTTCACTTCACTTCACTT 933  
 Qy 979 CTGCTATTTATTTTCAAGCCCTCTCTTCCAAATTTCAACAAAGCTCAAAATCTGC 1038  
 Db 934 GTGGTACTACTTCTCCAGCCCATCTTCCCACTTCTCTTCTTCTTCTTCTTCTTCT 993  
 Qy 1039 AGTCTGAACCCAGAGCAGGACGACACTCAAAA 1072  
 Db 994 TGCTCCAGAGAAATGACAGGTGACGAGTA 1027

## RESULT 8

US-09-944-807-20  
 ; Sequence 20, Application US/09944807  
 ; Patent No. US20020119494A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Boehringer Ingelheim Pharma KG  
 ; TITLE OF INVENTION: Method for identifying substances which positively  
 ; TITLE OF INVENTION: Influence inflammatory conditions of chronic  
 ; FILE REFERENCE: 082\_00n  
 ; CURRENT APPLICATION NUMBER: US/09/944,807  
 ; CURRENT FILING DATE: 2001-08-31  
 ; PRIOR APPLICATION NUMBER: UK 0021484.1  
 ; PRIOR FILING DATE: 2000-09-01  
 ; NUMBER OF SEQ ID NOS: 24  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 20  
 ; LENGTH: 2051  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-944-807-20

Query Match 30.9%; Score 369.2; DB 10; Length 2051;  
 Best Local Similarity 64.0%; Pred. No. 1.5e-109;  
 Matches 598; Conservative 0; Mismatches 318; Indels 18; Gaps 2;

Qy 154 ATGTACACGGGTCTGTCGCCGATCGAGGGGACACCATCTCCAGGTGATGCCGCG 213  
 Db 97 ATGACACAGAAAGTCTGTGTGTTCCGATGACTTCAATGCAAGGTGTGCGCG 156  
 Qy 214 CTGCTCATTTGGCTTTGTGCTGGCGCACTAGGAAATGGGGTGGCCCTGTGTGTTTC 273  
 Db 157 GTGTGGGGCTGAGTTTATCTTTGGGCTTCTGGGCAATGGCTTCCCTGTGTGATTTTC 216  
 Qy 274 TGCTTCACATGAAGACCTGGAAGCCAGACATGTTTACCTTTCAATTTGGCCGTGCT 333  
 Db 217 TGTTCACCTCAAGTCTGGAATCCAGCGGATTTTCTGTTCACCACTGGGACATGCT 276  
 Qy 334 GATTTCCTCTTATGATCTGCTGCTTTTCGACAGACTTATTAACCTCAAGCTAGAC 393  
 Db 277 GACTTTCTACTGATCATCTGCTGCTGTGTGATGACTATATGTGCGGCTTACAGAC 336  
 Qy 394 TGGGCTTTGGGACATTTCCCTGCGAGTGGGCTCTTCACTTGGCCATGAACAGGCGC 453  
 Db 337 TGAACCTTTGGGACATCTTGTCCGCGCTGTGTCTTCAATGTTTGCATGAACCGCAG 396

QY 454 GGGAGCATGCTGTTCCCTTCACGATGGCTGCGGACAGAGATTTTCAAAGAGGTCACACCC 513  
 Db 397 GGGAGCATATCTTCTCTCAACGATGGTGGCGGTAGACAGATTTTCCGGGTGATCATCC 456  
 QY 514 CACCAACCGGTGAACACTATCTTCAACCCGGGTGGCGGTGGCATTCGTACACCTGTGG 573  
 Db 457 CACCAAGCCCTGAAACAAGATCTTCAATTGGACAGACAGCCATCATCTTGTCTGTGG 516  
 QY 574 GGCCTGATCATCTTGGGAACAGTGTATCTTTGTCTGGAGAACATCTTGGCGTGAAG 633  
 Db 517 GGCATACATGTTGGCTTAACAGTCCACCTTCTTAAGAAAGATTGCTGATCCAGAAATGC 576  
 QY 634 ACGGCCGTCTCTGTGAGAGCTTCATCATGAGTCGAGCCATGCTGGACGACATCATG 693  
 Db 577 CCTGCAAAATGTGTCATCATGACCTTCAGCATTCGCATACCTTCGGGTGGACGAAGCTATG 636  
 QY 694 TTCCAGCTGGAGTTCTTTTATGCCCCCTCGGATCATCTTATTTTGTCTTCAAATTCTT 753  
 Db 637 TTCTCTCTGAAGTTCTCTCTGCCCCCTGGGATCATCTTGTCTGTCAGCCAAATTAATC 696  
 QY 754 TGGAGCTTGAGGCGGAGGAGCAGCAGCTGGCCAGACAGCTCGATCGATGAAGAAGCGACCCG 813  
 Db 697 TGGAGCTTGCGGAGAG---ACAAATGAAACGGCATGCCAAATCAAGAGCGCATACAC 753  
 QY 814 TTCAATCATGTGTGGCAATTGTTCATCATCATGCTTACCTGCGCCAGCGTGTGCTAGA 873  
 Db 754 TTCAATCATGTGTGGCCATGCGCTTTGTATCATCTGCTTCCACGAGCTGTGTCGG 813  
 QY 874 CTCATTTTCTCTGAGCGGAGCCCTC-----GAGTGCCTGGCATTCCTCT 918  
 Db 814 ATCCGATCTTGTGCTCTCTGACACATTTGGGACGACGAATTTGTAAGTATCCGCTG 873  
 QY 919 GTCCATGGGGCCCTGACATTAACCTCTCAGCTTCACTTACCTAGATGAACGATGCTGATCCC 978  
 Db 874 GTGACCTTGCGCTTCTTATCATCTCAGCTTCACTTACCTAGATGAACGATGCTGACCCC 933  
 QY 979 CTGGGATATATTTTTCAGCCCCCTTCCCAATTTCTAACAAGCTCAAAATCTGC 1038  
 Db 934 GTGGGTACTACTTCTTCCAGCCCATCTTTCCTCCAACTTTTCTTCCACTTTGTATCAACCGC 993  
 QY 1039 AGCTGAACCCCAAGCAGCCAGGACACTCAAAA 1072  
 Db 994 TGCTTCAGAGAAAGATGACAGGTGAGCCAGATA 1027  
  
 RESULT 9  
 US-10-092-135-10  
 ; Sequence 10, Application US/10092135  
 ; Publication No. US20030054374A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bristol-Myers Squibb Company  
 ; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR  
 ; TITLE OF INVENTION: HGPBRM27  
 ; FILE REFERENCE: D0134.NP  
 ; CURRENT APPLICATION NUMBER: US/10/092,135  
 ; CURRENT FILING DATE: 2002-03-06  
 ; PRIOR APPLICATION NUMBER: US 60/273,808  
 ; PRIOR FILING DATE: 2001-03-07  
 ; PRIOR APPLICATION NUMBER: US 60/278,983  
 ; PRIOR FILING DATE: 2001-03-27  
 ; NUMBER OF SEQ ID NOS: 75  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 10  
 ; LENGTH: 207  
 ; TYPE: DNA  
 ; ORGANISM: homo sapiens  
 ; US-10-092-135-10  
  
 Query Match 17.3%; Score 207; DB 9; Length 207;  
 Best Local Similarity 100.0%; Pred. No.2,9e-57;  
 Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db		1	ATGCGCCGCTGCTCAATTGGCCTTTGTGCTGGGCGCATAGGCATGAGGCTGGCCCTTG	60
Oy		265	TGTGTTTTGTGCTTCCACATGAAGAAGCTGGAAAGCCGACGACTGTTTAACCTTTTCATTGG	324
Db		61	TGTGTTTTGTGCTTCCACATGAAGAAGCTGGAAAGCCGACGACTGTTTAACCTTTTCATTGG	120
Oy		325	GCGGTGGCTGATTTCTCTCTTAATGATCTGCCCTTTTGGACAGACTAATACTCACA	384
Db		121	GCGGTGGCTGATTTCTCTCTTAATGATCTGCCCTTTTGGACAGACTAATACTCACA	180
Oy		385	CCTAGACACTGGGCTTTTGGGAGACATT	411
Db		181	CCTAGACACTGGGCTTTTGGGAGACATT	207
 RESULT 10 US-10-116-252-3 ; Sequence 3, Application US/10116252 ; Publication No. US20030028008A1 GENERAL INFORMATION: APPLICANT: NI et al. TITLE OF INVENTION: Seven Transmembrane Receptor Polynucleotides, TITLE OF INVENTION: Polypeptides, and Antibodies FILE REFERENCE: PT007P1 CURRENT APPLICATION NUMBER: US/10/116,252 CURRENT FILING DATE: 2002-04-05 PRIOR APPLICATION NUMBER: US/09/711,909 PRIOR FILING DATE: 2000-11-15 PRIOR APPLICATION NUMBER: PCT/US00/13737 PRIOR FILING DATE: 2000-05-19 PRIOR APPLICATION NUMBER: 60/135,167 PRIOR FILING DATE: 1999-05-20 PRIOR APPLICATION NUMBER: 60/143,616 PRIOR FILING DATE: 1999-07-13 PRIOR APPLICATION NUMBER: 60/152,934 PRIOR FILING DATE: 1999-09-09 PRIOR APPLICATION NUMBER: 60/189,029 PRIOR FILING DATE: 2000-03-14 NUMBER OF SEQ ID NOS: 44 SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 3 LENGTH: 1423 TYPE: DNA ORGANISM: Homo sapiens US-10-116-252-3				
 Query Match                      15.9%; Score 190.4; DB 9; Length 1423; Best Local Similarity    54.8%; Pred. No. 1.9e-51; Matches    446; Conservative    0; Mismatches    356; Indels    12; Gaps        3;				
Oy		206	TGCCCCGCTCTCATTTGTGGCTTTGTGCTGGGCGCACTAGGCATGAGGTCGCCCTGT	265
Db		9	TGGACCAATCTGGCCCTGGAGTTTGTCTGTGGGCTGTGGGAAACGTTTGGCCCTCT	68
Oy		266	GTGGTTTGTCTTCCACATGAAGACCTGGAAAGCCGACGACTGTTTACCCTTTCAATTTGG	325
Db		69	TCATCTTGTGATCCACAGCGGCGCTGGACCTCAACACGCTGTCTCGTAGCGCTGG	128
Oy		326	CCGTGGCTGATTTTCTCCTTAATGATCTGSCCTTGTTCGGACAGACTAATACTCACAGC	385
Db		129	TGGCGCGTGAATCTCTCTGATACAGAACCTGGCCCTTCGGGTGAGACTAGTACTCTTCC	188
Oy		386	GTAAGCACTGGGCTTTTGGGGACATTCCTTGCAGAGTGGGGCTCTTCAAGTTGGCCATGA	445
Db		189	ATGAGACTGTGGCTTTGGGGGCTGCTGCTCAAAAGTCAACCTTCAATGCTGTCCACCA	248
Oy		446	ACAGAGCGCGGAGATGATGTTCTTAACGGTGGTGGCTGGCGAGAGATTTCAAAGTGG	505
Db		249	ACCGCAGCGCAGGCTGTCTTCTTCAAGCATGCACTCAACCGCTACTGGAAGTGG	308
Oy		506	TCCACCCCACACAGCGGATGAACATACTTCACCCGGGTGGCGGCTGGCATGCTTGGCA	565

Db 309 TGCAGCCCAACAGCTGCTGAGCCGCTGCTCCGTGGGGGACAGTCCCGGGGTGACCGGG 368  
 Qy 566 CCTGTGGGCCCCCTGGTCAATCTGGGAACAAGTATCTTTTGTGGGAAGCAATCTTGGC 625  
 Db 369 GACTCTGGG---TGGGCAATCTGCTCCTCAACAGGACCTGCTCTGAGCACTTCTCCG 425  
 Qy 626 TGCAGAGAGCGGCGCTCTCTGTGAGAGCTTATCATGAGAGTGGCCCAATGGCTGGACG 685  
 Db 426 GCCCTCTGCTCAGCTCAAGGAGTGGGACAGAACCCCTCGGCTCGCTCGGCTGGACCC 485  
 Qy 686 ACATCATGTTCCAGCTGGAGTCTTTATGCCCCCTGGGACATCATTTATTTGCTCTTCA 745  
 Db 486 AGGACACTGACTGCTGAGTCTTCTGCTGCACTGGCGCTATCTCTTT---GCTATTG 542  
 Qy 746 AGATTGTTTGAAGCTGAGCGGAGGACAGCACTGGGACAGAGCTCGATGGAAGAAG 805  
 Db 543 TGAAGCATTTGGGCTCAACCAATCCGGAAACCGTGTGGGGGGGAGGACCGGACGAGAGG 602  
 Qy 806 CCAACCCGTTCAATCATGTGTGGCAATTTGTTCATCAATGCTACTGCCCCAGCGTGT 865  
 Db 603 CCATGTGTGTGGGCAATGATGTGGGCGCTGTACACCAATCTGCTTGTGCGCCACATCA 662  
 Qy 866 CTGCTAGACTATTTCCCTGTGAGCGTGCCTCGAGTGGCTGGCATCCCTGTCTCATG 925  
 Db 663 TCTTTGGCATGGCTTCAATGTGGCTTTTGTGCTGTCCGCTCGCGATCTCTGAGACTCT 722  
 Qy 926 GGGCCCTGCACATTA-----CCCTCAGCTTCACTTACATGAACAGATGTGATGCC 979  
 Db 723 GCACACAGCTTCCATGAGCTCCCTGGGCTTCACTTCACTTCAAGATGTGCTGAGACCCG 782  
 Qy 980 TGTGTATTATTTTCAAGCCCTCTCTTTCCAA 1013  
 Db 783 TGCTTACTGCTTCTCTAGCCCCCACTTCTCCA 816

## RESULT 11

US-09-826-508-39  
 ; Sequence 39, Application US/09826508  
 ; Patent No. US20010025099A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Nabil Elshourbagy  
 ; APPLICANT: Lisa Vawter  
 ; TITLE OF INVENTION: G Protein-Coupled Receptor Polypeptides  
 ; FILE REFERENCE: GP-70744USB  
 ; CURRENT APPLICATION NUMBER: US/09/826,508  
 ; CURRENT FILING DATE: 2001-04-05  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 39  
 ; LENGTH: 1594  
 ; TYPE: DNA  
 ; ORGANISM: HOMO SAPIENS  
 US-09-826-508-39

Query Match 15.9%; Score 190.4; DB 10; Length 1594;

Best Local Similarity 54.8%; Pred. No. 2e-51; Matches 446; Conservative 0; Mismatches 356; Indels 12; Gaps 3;

Qy 206 TGCAGCGGCTGCTCATTTGTGGCTTTGTGTGGGCGCAGTACAGCAATGGGGTCCGCTCT 265  
 Db 519 TGCACCAATCTGGGCGCTGAGTTGTCTGTGGGCTGTGTGGGAAACAGTTTGGCCCTCT 578  
 Qy 266 GTGTTTCTGCTTCCATGAGACCTGGAAGCCGAGCACTGTTTCACTTTTCAATTTGG 325  
 Db 579 TCAATTTTGCATTCACACGCGGCTTGAATCTCAACAGAGTGTCTCTGTGACGCTGG 638  
 Qy 326 CCGTGTGATTTCTCTTATGATCTGCTGCTTTTGGACAGATTAATCTTCAAGC 385  
 Db 639 TGGCGGTGATCTCTCTGATACAGCACTGCTCCGCGGAGACTACTACTCTCTCC 698  
 Qy 386 GTAGACACTGGGCTTTTGGGAGATTCCTGCGAGTGGGGCTTTCAAGTTGGCCATTA 445

Db 699 ATGAGACTGGGGCTTTGGGGGCTGCTGCTGCAAGTCAACTCTTCAAGTGTCCACCA 758  
 Qy 446 ACAAGGCGGGAGACATGCTGTTCTTACGCTGTGGCTGGACAGATTTTCAAGTGG 505  
 Db 759 ACCGACAGGCGCAGCTGTCTTCTTCAACAGCCATGCACTCAACCGCTTACGGAAGTGG 818  
 Qy 506 TCCACCCCAACACCGGGGAGACATATCTCAACCGGGTGGCGGCTGGCATGCTGCA 565  
 Db 819 TGAAGCCCAACACAGTGTAGCCGCTGCTGCTGGGAGACTGCTCCGGGTGGCGGGG 878  
 Qy 566 CCTGTGGGCCCCCTGGTCAATCTGGAACAGTATCTTTTGTGAGAACCAATCTTGGC 625  
 Db 879 GACTCTGGG---TGGGCAATCTGCTCTCAAGGGGACACTGCTCTGAGCACTTCTCG 935  
 Qy 626 TGCAGAGAGCGGCGCTCTCTGTGAGAGCTTATCATGAGTGGCCCAATGGCTGGACG 685  
 Db 936 GCCCTCTGCTCAGCTCAAGGATGGGACGAAAGCCCTCGGCTCTGCTCCCTGGACCC 995  
 Qy 686 ACATCATGTTCCAGCTGGAGTCTTTATGCCCCCTGGGACATCATTTATTTGCTCTTCA 745  
 Db 996 AGGACACTGACTGCTGAGAGTCTTCTGCTCACTGAGCGCTCATCTCTTT---GCTATTG 1052  
 Qy 746 AGATTGTTTGAAGCTGAGCGGAGGACAGCACTGGGACAGAGGCTCGATGGAAGAAG 805  
 Db 1053 TGAAGCATTTGGGCTCAACATCCGGAAACCGTGTGGGGGGGAGGACCGGACGAGAGG 1112  
 Qy 806 CCAACCCGTTCAATCATGTGTGGCAATTTGTTCATCAATGCTACTGCCCCAGCGTGT 865  
 Db 1113 CCATGTGTGTGGGCAATGATGTGGGCGCTGTACACCAATCTGCTTGTGCCACATCA 1172  
 Qy 866 CTGCTAGACTATTTCCCTGTGAGCGTGCCTCGAGTGGCTGCGATTCCTCTGTCTCATG 925  
 Db 1173 TCTTTGGCATGGCTTCCATGTGGCTTTTGTGCTGTCCGCTCGCGATCTCTGAGACTCT 1232  
 Qy 926 GGGCCCTGCACATTA-----CCCTCAGCTTCACTTACATGAACAGATGTGATGCC 979  
 Db 1233 GCACACAGCTTCCATGAGCTCCCTGGGCTTCACTTCACTTCAAGATGTGCTGAGACCCG 1292  
 Qy 980 TGTGTATTATTTTCAAGCCCTCTCTTTCCAA 1013  
 Db 1293 TGCTTACTGCTTCTCTAGCCCCCACTTCTCCA 1326

## RESULT 12

US-09-962-832-239  
 ; Sequence 239, Application US/09962832  
 ; Patent No. US20020110821A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ebner, Reinhard  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
 ; FILE REFERENCE: 689290-74  
 ; CURRENT APPLICATION NUMBER: US/09/962,832  
 ; CURRENT FILING DATE: 2001-09-25  
 ; PRIOR APPLICATION NUMBER: US/60/235,077  
 ; PRIOR FILING DATE: 2000-09-25  
 ; PRIOR APPLICATION NUMBER: US/60/235,280  
 ; PRIOR FILING DATE: 2000-09-25  
 ; NUMBER OF SEQ ID NOS: 259  
 ; SOFTWARE: Patentin version 3.0  
 ; SEQ ID NO 239  
 ; LENGTH: 2061  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-962-832-239

Query Match 11.4%; Score 136; DB 10; Length 2061;

Best Local Similarity 51.2%; Pred. No. 1.1e-33; Matches 425; Conservative 0; Mismatches 390; Indels 15; Gaps 4;

Qy 215 TGCTCATTTGTGCTTGTGCTGGGCGCACTAGCAATGGGGTGGCTGTGTGTTCT 274  
 Db 557 TGCTGGGCTGAGATGTGGCTGGGTCTGTGGGCAACGCGGTGGGCTGTGACCTTCC 616

QY 275 GCTTCCATGAAAGACCTGGAAGCCGACACTGTTTACCTTTTCAATTGGCCGTGCTG 334  
 Db 617 TGTCCGGGTCAGGGGTGTGGAAGCCGACCTGTCTACCTGCTCAACCTGGCCCTGGCTG 676  
 QY 335 ATTTCCTCTTATGATCTGCTGCTTTTGGACAGATTAATCTCAGAGCTAGACACT 394  
 Db 677 ACCGCTGTGGCTGCTGCTGCTGCTTTTCTGGCCGCTTCTACCTGAGCTCCAGGCTT 736  
 QY 395 GGGCTTTGGGAGACATTCCTGCGAGTGGGGCTTCAAGTTGGCCATGAACAGGCGG 454  
 Db 737 GGCATCTGGGCGCTGTGGCTGCTGCGCTGCGCTTCTGCTGAGCTCAGCCGAGCG 796  
 QY 455 GAGCATCTGTTCTTACGAGTGGCTGCGACAGTATTTCAAGTGTCCACCCG 514  
 Db 797 TGGGATGAGCTTCTGCGCGCGGCTTGGACCGGATCCTCGGTGTCTACCTCTC 856  
 QY 515 ACCACGGGTGAACATATCTCCACCCGGGTGGCGGCTGCACTGTCTGACCTGTGG 574  
 Db 857 GGGCTTAAGTCAACCTGCTGCTCTCAGCGGCGCTTGGGGGCTCGGGGCTGTCTGG 916  
 QY 575 CCTGATCTCCGGGAGACGATATCTTGTGAGAGAACATCTGTGTCAGAGAA 634  
 Db 917 TCTGATGTGCGCTTCACTGCTGCGCGGCTGTCTCACTGTGAGCGCGCCAGAACTCCA 976  
 QY 635 CGGCGCTCTCTGAGAGCTTCAATGAGATCGGC-----CAATGGCTGACAGACA 688  
 Db 977 CGAGGTCCACAGATTTCTACTCCAGGAGACGGCTCTTACAGATCACTTGGCAGAGAG 1036  
 QY 689 TCATGTTCCAGCTGAGGTTCTTATGCGCTCGGACATCTTATTTGTCTCTTCAAGA 748  
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 QY 749 TTGTTGAGAGCTGAGAGCGGAGG---CAGAGCTGCGCAGACAGGCTCGAGTGAAGA 805  
 Db 1097 TCATCAGGGCTCTCCAGAAAGACTCCGGAGGCTGAGAAACAGCCAACTTCAACGGG 1156  
 QY 806 CGACCCGGTTCATCATGAGTGGTGGCAATGTTGTTCACTACATCTACTGCGCAGGCTG 865  
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 QY 866 CTGTAGACT-CTATTTCTCTGAGAGGCTGCGCTCGAGTGGCTGCTGTCTCAT 924  
 Db 1217 TGGCCAGAGCTGATGACATCTTCCAGATCTGGGAGCTGAGGCGCTTGTGTGAG 1276  
 QY 925 GGGGCGCT-----GCACATPACCTCAGCTTCACTTCACTGAGAGCTGAGATCCCC 979  
 Db 1277 TGGCTATACCTCGAGTGTACGAGGAGCTCACTTACCTGACAGTGTGTCAACCCCG 1336  
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RESULT 13  
 US-09-954-456-1593  
 ; Sequence 1593. Application US/09954456  
 ; Patent No. US20020115057A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Young, Paul  
 ; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand  
 ; TITLE OF INVENTION: Sets  
 ; FILE REFERENCE: 689290-76  
 ; CURRENT APPLICATION NUMBER: US/09/954,456  
 ; CURRENT FILING DATE: 2001-09-18  
 ; PRIOR APPLICATION NUMBER: US/60/233,617  
 ; PRIOR FILING DATE: 2000-09-18  
 ; PRIOR APPLICATION NUMBER: US/60/234,052  
 ; PRIOR FILING DATE: 2000-09-20  
 ; PRIOR APPLICATION NUMBER: US/60/234,923  
 ; PRIOR FILING DATE: 2000-09-25  
 ; PRIOR APPLICATION NUMBER: US/60/235,134  
 ; PRIOR FILING DATE: 2000-09-25

; PRIOR APPLICATION NUMBER: US/60/235,637  
 ; PRIOR FILING DATE: 2000-09-26  
 ; PRIOR APPLICATION NUMBER: US/60/235,638  
 ; PRIOR FILING DATE: 2000-09-26  
 ; PRIOR APPLICATION NUMBER: US/60/235,711  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: US/60/235,720  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: US/60/235,840  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: US/60/235,863  
 ; PRIOR FILING DATE: 2000-09-27  
 ; NUMBER OF SEQ ID NOS: 2276  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 1593  
 ; LENGTH: 2061  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-954-456-1593

Query Match 11.4%; Score 136; DB 10; Length 2061;  
 Best Local Similarity 51.2%; Pred. No. 1,1e-33;  
 Matches 425; Conservative 0; Mismatches 390; Indels 15; Gaps 4;

QY 215 TGCTCATTTGAGCTTGTGCTGGGCGCACTAGGCAATGGGCTGCGCTGTGCTTCT 274  
 Db 557 TGTGGGCTGAGTGTGGGCTGTGGGCTGTGCTGGGCAAGCGGTGGCGCTGACCTTCC 616  
 QY 275 GCTTCCATGAAAGACCTGGAAGCCGACACTGTTTACCTTTTCAATTGGCCGTGCTG 334  
 Db 617 TGTTCGGGCTCAGGGTGTGGAAGCCGTAACGTGTCTACCTGCTCAACCTGGCCCTGCTG 676  
 QY 335 ATTTCCTCTTATGATCTGCTGCTCTTTTGGACAGATTAATCTCAGAGCTAGACACT 394  
 Db 677 ACTGCTGTGGCTGCTGCTGCTGCTTCTTCTGCGCGCTTCTTACCTGAGCTCCAGGCTT 736  
 QY 395 GGGCTTTGGGAGACATTCCTGCGAGTGGGGCTTCAAGTTGGCCATGAACAGGCGG 454  
 Db 737 GGCATCTGGGCGCTGTGGGCTGCGGCGCTGCGCTTCTGCTGAGCTTCAAGCTCCAGGCTT 796  
 QY 455 GAGCATCTGTTCTTACGAGTGGCTGCGACAGTATTTCAAGTGTCCACCCG 514  
 Db 797 TGGGATGAGCTTCTGCGCGCGGCTTGGACCGGATCCTCGGTGTCTACCTCTC 856  
 QY 515 ACCACGGGTGAACATATCTCCACCCGGGTGGCGGCTGCACTGTCTGACCTGTGG 574  
 Db 857 GGGCTTAAGTCAACCTGCTGCTCTCTCAGGCGGCGCTTGTGCTTGTGCTTGTGCTTGTGCTT 1096  
 QY 575 CCCGCTATCTGAGAGCTTCAATGAGATCGGC-----CAATGGCTGACAGACA 688  
 Db 917 TCTGATGTGCGCTTCACTGCTGCGCGGCTGTCTCATCTGTGAGCGCGCCAGAACTCCA 976  
 QY 635 CGGCGCTCTCTGAGAGCTTCAATGAGATCGGC-----CAATGGCTGACAGACA 688  
 Db 977 CCAGGTCCACAGTTTCTACTCCAGGAGACAGGCTCTTACAGATCACTTGGCAGAGAG 1036  
 QY 689 TCATGTTCCAGCTGAGGTTCTTATGCGCTCGGACATCTTATTTGTCTCTTCAAGA 748  
 Db 1037 CACTCTCTGCTTCAAGTTGTGCTCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTTGTGCTT 1096  
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RESULT 14  
 US-10-549-1  
 ; Sequence 1, Application US/10109549  
 ; Patent No. US20020170081A1  
 ; GENERAL INFORMATION:

; APPLICANT: Brennan, Thomas J.  
 ; APPLICANT: Moore, Mark  
 ; APPLICANT: Matthews, William  
 ; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING GPR31 GENE  
 ; TITLE OF INVENTION: DISRUPTIONS  
 ; FILE REFERENCE: R-180  
 ; CURRENT APPLICATION NUMBER: US/10/109,549  
 ; CURRENT FILING DATE: 2002-07-09  
 ; PRIOR APPLICATION NUMBER: US 60/280,512  
 ; PRIOR FILING DATE: 2001-03-29  
 ; PRIOR APPLICATION NUMBER: US 60/326,669  
 ; PRIOR FILING DATE: 2001-10-02  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 960  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; US-10-109-549-1

Query Match 10.9%; Score 130.6; DB 9; Length 960;  
 Best Local Similarity 49.5%; Pred. No. 4,4e-32;  
 Matches 430; Conservative 0; Mismatches 424; Indels 15; Gaps 3;

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 QY 275 GCTTCACATGAAGACCTGGAAGCCAGACATGTTTACCTTTTCAATTTGCGCTGCTG 334  
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 QY 335 ATTTCCTCTATGATCTGCTGCTCTTTTCGACAGACATTAATACCTCAGACCTAGACT 394  
 Db 179 ACCTGCTATTTGGCCACAGTGTGCTATCTTTGCTGCTTCTATCTGAAGGCAAGACT 238  
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 Db 299 TGGAGTGAAGCTTCTGATGACAGTGTGCTTTAGACCGATCTGATGTGTCTATCTTC 358  
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QY 749 TTGTTGAGACCTGAGGCGGAGGC---AGCAGCTGGCCAGACAGGCTCGATGAAGAAG 805  
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 ; Sequence 1, Application US/09788133  
 ; Patent No. US20020052001A1  
 ; GENERAL INFORMATION:

; APPLICANT: GLAXO GROUP LTD  
 ; TITLE OF INVENTION: ASSAY  
 ; FILE REFERENCE: P79011  
 ; CURRENT APPLICATION NUMBER: US/09/788,133  
 ; CURRENT FILING DATE: 2001-02-20  
 ; NUMBER OF SEQ ID NOS: 2  
 ; SOFTWARE: Patent Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 1020  
 ; TYPE: DNA  
 ; ORGANISM: homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(1020)  
 ; US-09-788-133-1

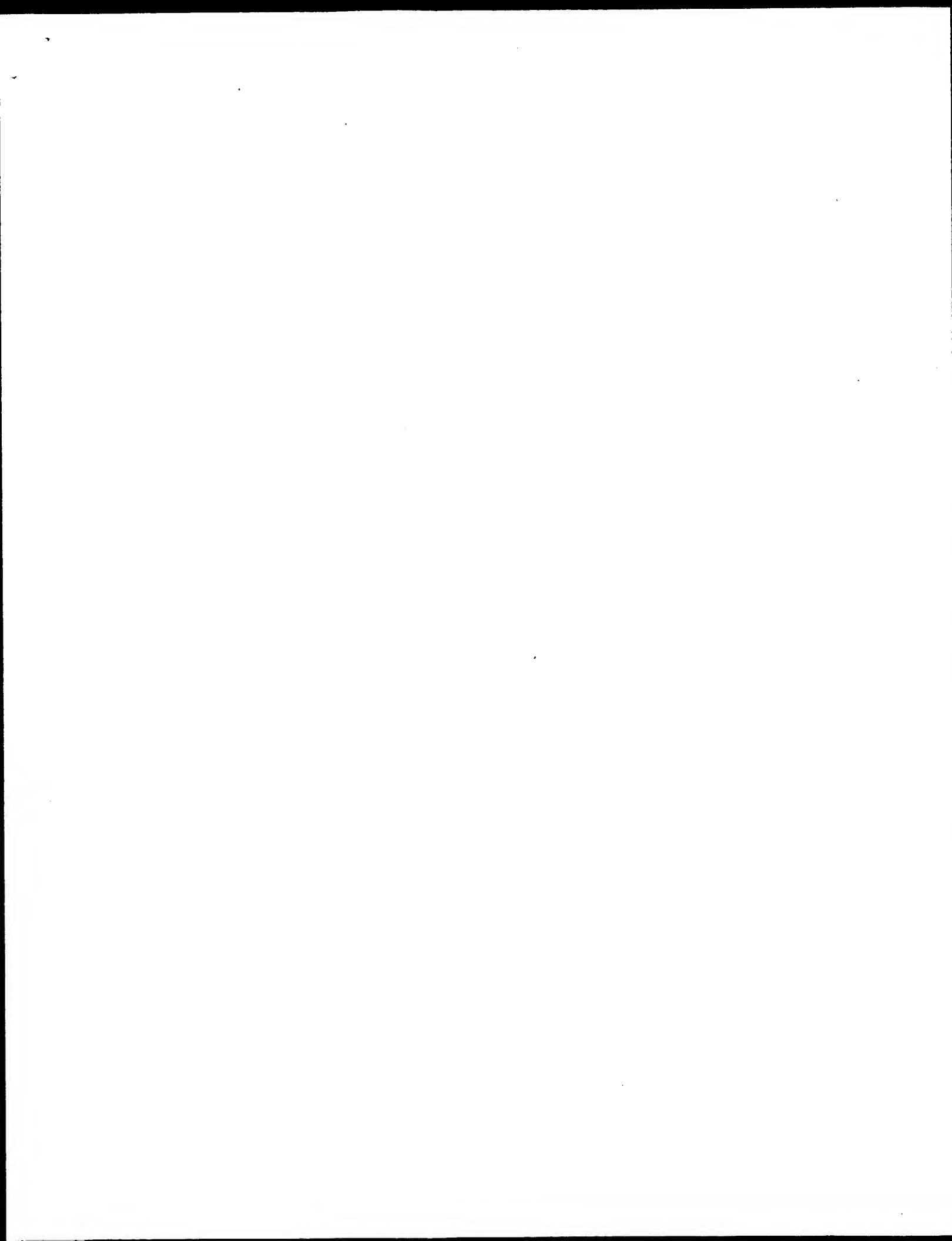
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 Best Local Similarity 47.2%; Pred. No. 1.5e-25;  
 Matches 378; Conservative 0; Mismatches 414; Indels 9; Gaps 1;

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 Db 156 TGTGTGCTTTTCACTGAGACCAAGTCCGGGACCCGGCCAAAGTGTCTCTGATGA 215  
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 Db 336 CCTCAACATGATGCGCAGCATTAATCTTCACTGATGATGAGCGGACGATTTCTGCG 395  
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Search completed: April 3, 2003, 23:57:04  
 Job time : 135 secs







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TAVSESEFIMESANGMDIMFQLEFMPGLILFCSEFKVLSERROAROMKA
TRFIMVAIVITCTLPVSARLVEFLDPSSADPISGALHTLTSFYMNSMLDPL
VYVSSPEKPEKVKTKLSLKPQPGSKTQREEMPIISNLGRSICIVANSFQSGS
DQMDPHIVEMH"

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BASE COUNT 289 a 386 c 360 g 337 t

ORIGIN

Query Match 98.7%; Score 1178.4; DB 11; Length 1372;

Best Local Similarity 99.7%; Pred. No. 0; Mismatches 2; Indels 0; Gaps 0;

Matches 1179; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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61 GCTAAGCTCAGATTAAGCATCTGTCATTTGGGGACCTCCCTGGGCTGCTGACCCG 120
133 GACACCTGCTCTGTCCCGCCCATGATGACACAGAGCTGGGTGCTGACCCG 192
121 GACACCTGCTCTGTCCCGCCCATGATGACACAGAGCTGGGTGCTGACCCG 180
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DB 901 CCTCTGTCTCAGAGGCGCTCGACATTAACCTCAGCTTACCTACATGACAGAGCTG 960
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DB 961 GATCCCTGGTGTATTTATTTTCAAGCCCTCTTCCCAATTTTCAACAGCTCAAA 1020
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DB 1021 ATCTGAGTGTGAACCCCAAGAGCCAGACACTCAAAAACCAAGGCGGAAGAGATG 1080
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DB 1081 CCAATTTGCAACTCGGTGCGAGAGTTCATCAGTGTGGCAAAATGATTCCAAAGCCAG 1140
QY 1153 TCTGATGGCAATGGATCCCAATTTGTTGAGTGGCACTGA 1194
DB 1141 TCTGATGGCAATGGATCCCAATTTGTTGAGTGGCACTGA 1182

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RESULT 2  
BC027965 2146 bp mRNA linear HTC 01-MAY-2002  
LOCUS  
DEFINITION  
Homo sapiens, Similar to putative chemokine receptor; GTP-binding protein.  
ACCESSION  
BC027965  
VERSION  
BC027965.1 GI:20379752  
KEYWORDS  
HTC.  
SOURCE  
Homo sapiens.  
ORGANISM  
Homo sapiens.  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

REFERENCE  
1 (bases 1 to 2146)  
AUTHORS  
Strausberg, R.  
TITLE  
Direct Submision  
JOURNAL  
Submitted (08-APR-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA

REMARK  
COMMENT  
NIH-MGC Project URL: <http://mgc.nci.nih.gov>  
Contact: MGC help desk  
Email: [cgabs-remail.nih.gov](mailto:cgabs-remail.nih.gov)  
Tissue Procurement: Life Technologies, Inc.  
CDNA Library Preparation: Life Technologies, Inc.  
DNA Sequencing by: The I.M.A.G.E. Consortium (LLNL)  
Sequencing Center (NISC),  
Gaithersburg, Maryland;  
Web site: <http://www.nisc.nih.gov/>

Contact: [nisc\\_mgc@nih.gov](mailto:nisc_mgc@nih.gov)  
Akhter, N., Ayele, K., Beckstrom-Sternberg, S.M., Benjamin, B., Blakeley, R.W., Bouffard, G.G., Breen, K., Brinkley, C., Brooks, S., Dietrich, N.L., Granite, S., Guan, X., Gupta, J., Haghighi, P., Hansen, N., Ho, S.-L., Karlins, E., Lark, P., Legaspi, R., Meduro, Q.L., Mestillo, C., Maskeri, B., Mastrian, S.D., McCloskey, J.C., McDowell, J., Pearson, R., Stenitop, S., Thomas, P.J., Touchman, J.W., Tsurgoun, C., Vogt, J.U., Walker, M.A., Wetherby, K.D., Wiggins, L., Young, A., Zhang, L.-H. and Green, E.D.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
Series: IRAK Plate: 49 Row: 1 Column: 24  
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 5174460



Oy 454 GGGAGCATCGTATTTCTCTTAACGGTGGGTGGTGGACAGGATATTTTCAAAATGGTCCACCC 513  
 Db 389 GGGACATCATTTTCTCTCACGGTGGTGGGATGACAGGATATTTCCGGTGGTCCATCCC 448  
 Oy 514 CACCAACGGGTGAACATATCTTCAACCCGGGTGGCGGTGGCATGCTGTGACCCCTGTGG 573  
 Db 449 CACCAACGCCCTGAACAAGATCTTCAATCGGAACAGCAGCCATCATCTTGGCTTGTGG 508  
 Oy 574 GCCCGTCATCTCTGGGAACAGTGAATCTTTGTCTGGGAACATCATCTCGGTGCAGAG 633  
 Db 509 GGCATCTACTATTTGGCTGCACAGTCCACTCTCTGAAGAAAGATGCCATCCAGATGGC 568  
 Oy 634 ACGGCGCTTCTCTGTGAGAGCTTCATTCATGAGTGGGCCAATGGCTGGCAGACATCATG 693  
 Db 569 GGTGCAAAATTTGTGACGACGCTTCAGCATCTGCATACCTTCCAGTGGCAGGAAGCAGT 628  
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ACCESSION	AL546894				
VERSION	AL546894.1	GI:12880455			
KEYWORDS	EST.				
SOURCE	human.				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
AUTHORS	1 (Bases 1 to 885)				
TITLE	Li, W. B., Gruber, C., Jesse, J. and Polayes, D.				
JOURNAL	Full-length cDNA libraries and normalization				
COMMENT	Unpublished (2001)				
	Contact: Genoscope				
	Genoscope - Centre National de Sequencage				
	BP 101 91006 EVRY cedex - France				
	Email: <a href="mailto:secref@genoscope.cns.fr">secref@genoscope.cns.fr</a> , web : <a href="http://www.genoscope.cns.fr">www.genoscope.cns.fr</a> .				
FEATURES	location/Qualifiers				
source	1..885				

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ORIGIN				

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Best Local Similarity	65.1%;	Pred. No. 1.1e-80;		
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Db	137	GTGTGGGGCGCTGGAGTTTATCTTCGGGCTTCTGGGCAATGAGCCCTGTGGATTTTC	196
QY	274	TGCTTCCACANTGAGACCTGGAGCCGAGACACTGTTAACTTTCAATTGGCGGTGACT	333
Db	197	TGTTCCACCTCAAGTCTCGGAATTCAGAGCCGATTTTCTGTTCAACTGGCAGTGGCT	256
QY	334	GATTTCCCTCTTAATGATCTGCTGCTCTTTTCGACACAGACTATTAACCTCAGACGTAGAC	393
Db	257	GACTTTCTACGATCATCTGCTGTGCCCTTCTGTATGGACAACATGTGAGGCGTTGGAGAC	316
QY	394	TGGGCTTTTGGGGACATTTCCCTGCCAGTGGGGCTTTCAAGTTGGCCATGAAAGAGGC	453
Db	317	TGGAAATTTGGGGACATCCCTTTCGGGCTGATGTCTTCAATGTTGGCTATGAACCGGACG	376
QY	454	GGGAGCATCGTGTTCTTTAGCGGTGTGGGTGCGGACAGAGTATTTCAAGTGTGTCAACCC	513
Db	377	GGCAGCATCATCTTCTCAGCGGTGTGGCGGTAGACAGGATTTTCCGGGTGTGTCAATCC	436
QY	514	CACACGCGGAGAACTATCTCCACC CGGGTGGCGCTGGCATGATCTGTGACCCCTGTGG	573
Db	437	CACACGCGCCCTGAACAGATCTCCAAATGGGACACAGCATCATCTTGGCTTCTGTGG	496
QY	574	GCCCTGTCACTCTGGGAAAGTGTATCTTTTGTCTGGAAACCATCTCTGTGCTGCAAG	633
Db	497	GGCATCACTATTGGCTGTGACAGTCCACTCTCTGAAGAAAGAAATGCGATCCAAATGGC	556
QY	634	ACGGCGCTCTCCTGAGAGCTTCATCATGAGATCGGCAATGGCTGGACAGCATCATG	693
Db	557	GGTGAATTTGTGCAAGGTTCAAGATCTGCCATATCTTCCAGTGGCAAGAACCATG	616
QY	694	TTCCAGCTGAGATCTTATATCCCCCTGGGACATCATTTATTTGTCTCTTCAAGATTGT	753
Db	617	TTCTCCTCGAGATCTTCTGTGCCCTGGGACATATCTGTCTGTGTGACAGATATATC	676
QY	754	TGGAGCTTGAGGCGGAGGCAAGCTGGCCAGACAAGGCTCGGATGAGAGAGGCCAGCCGG	813
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QY	814	TTCAATCAGGTGTGGCAATGTGTGTTCAATCATGCTATCCGCAAGGCTGTGCTAGA	873
Db	734	TTCAATCAGGTGTGGCATGTCTTGTGTCACTGTCTTCTTCCAGGCTGTGTGTGGG	793
QY	874	CTCTATTCTCTGAGCGGTGCCCTTC	899
Db	794	ATCCGATCTTCTGGCTCTGTGACAC	819

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LOCUS	BM918711 1057 bp mRNA linear EST 12-MAR-2002
DEFINITION	AGNCNCOURT 6635052 NIH_MGC_120 Homo sapiens cDNA, clone IMAGE:57477743
ACCESSION	BM918711
VERSION	BM918711.1 GI:19369090
KEYWORDS	EST.
SOURCE	human.
ORGANISM	Homo sapiens
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
	Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE	1 (bases 1 to 1057)
AUTHORS	NIH-MGC <a href="http://mgc.nci.nih.gov/">http://mgc.nci.nih.gov/</a> .
TITLE	National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL	Unpublished (1999)

## COMMENT

Contact: Robert Strausberg, Ph.D.  
 Email: cgabds-remail.nih.gov  
 Tissue Procurement: Life Technologies, Inc.  
 CDNA Library Preparation: Life Technologies, Inc.  
 CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)  
 DNA Sequencing by: Agencourt Bioscience Corporation  
 Clone distribution: MGC clone distribution information can be  
 found through the I.M.A.G.E. Consortium/LLNL at:  
 http://image.llnl.gov  
 Plate: LLM12774 row: 5 column: 08  
 High quality sequence stop: 691.

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 /clone="IMAGE:5747743"  
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 /lab\_host="DH10B"  
 /note="Organ: pooled pancreas and spleen; Vector:  
 pCMV-SPORT6; Site\_1: NotI; Site\_2: EcoRV (destroyed); RNA  
 source anonymous pool of spleen and pancreas from 28 yo  
 male. Library is oligo-dT primed and directionally cloned  
 (EcoRV site is destroyed upon cloning). Average insert  
 size 1.5 kb, insert size range 1-2.5 kb. Library is  
 normalized and enriched for full-length clones and was  
 constructed by C. Gruber (Invitrogen). Research Genetics  
 tracking code 025. Note: this is a NIH\_MGC Library."  
 BASE COUNT 211 a 303 c 274 g 269 t

## ORIGIN

Query Match 26.0%; Score 310.8; DB 14; Length 1057;  
 Best Local Similarity 64.5%; Pred. No. 2.4e-78;  
 Matches 481; Conservative 0; Mismatches 262; Indels 3; Gaps 1;

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 274 TGTTCACATGAAAGCTTGAAGCCGACGCTTACCTTTCAATTTGGCCGTGCT 333  
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Qy 754 TGGAGCTGAGCGGAGGAGCAGACAGCTGCGCAGACAGCTCGATGAGAAAGCGACCGG 813  
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RESULT 6  
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 mRNA sequence.  
 ACCESSION  
 B1837965  
 VERSION  
 B1837965.1 GI:15949515  
 KEYWORDS  
 EST.  
 SOURCE  
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 ORGANISM  
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 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.  
 REFERENCE  
 1 (bases 1 to 801)  
 NIH-MGC http://mgs.nci.nih.gov/  
 TITLE  
 National Institutes of Health, Mammalian Gene Collection (MGC)  
 JOURNAL  
 Unpublished (1999)  
 CONTACT  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgabds-remail.nih.gov  
 Tissue Procurement: Life Technologies, Inc.  
 CDNA Library Preparation: Life Technologies, Inc.  
 DNA Sequencing by: Incyte Genomics, Inc.  
 CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)  
 DNA Sequencing by: Incyte Genomics, Inc.  
 Clone distribution: MGC clone distribution information can be  
 found through the I.M.A.G.E. Consortium/LLNL at:  
 http://image.llnl.gov  
 Plate: LLM1560 row: b column: 01  
 High quality sequence stop: 796.

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 /note="Organ: pooled pancreas and spleen; Vector:  
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 source anonymous pool of spleen and pancreas from 28 yo  
 male. Library is oligo-dT primed and directionally cloned  
 (EcoRV site is destroyed upon cloning). Average insert  
 size 1.5 kb, insert size range 1-2.5 kb. Library is  
 normalized and enriched for full-length clones and was  
 constructed by C. Gruber (Invitrogen). Research Genetics  
 tracking code 025. Note: this is a NIH\_MGC Library."

BASE COUNT 157 a 231 c 205 g 208 t  
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 Query Match 26.0%; Score 310.6; DB 13; Length 801;  
 Best Local Similarity 65.9%; Pred. No. 2.4e-78;  
 Matches 466; Conservative 0; Mismatches 239; Indels 2; Gaps 1;

154 ATGTACACGGGCTGCTGCGCCGATCGAGGGGAGACACCATCCGAGGATGCCGCG 213  
 Db ATGACACAGAAAGACTGCTGCTGCTCCAGATGACTTATGTCAAGTGTGCGCGG 156  
 214 CTGCTATGTTGGCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCTGTGTGTTT 273  
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Db 217 TGTTCACCTCAAGTCCCGAAATCCAGCCGATTTTCCTGTTCAACCTGGCAGTGGCT 276
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Qy 454 GGGAGATCTGTTCTTCAAGTGGTGGCTGCGAGAGATTTCAAAAGTGTCCACCCC 513
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Qy 754 TGGAGCTGAGCGAGCAGCAGCAGCTGCGCAGACAGCTCGATGAGAGAGCGACCCGG 813
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Db 755 TTTCATCATGTTGGTGGCAATTTGTTTCATCATCATGCTTACCTGCGCAG 801

RESULT 7
LOCUS BM923028 1076 bp mRNA linear EST 12-MAR-2002
DEFINITION AGENCOURT 6631998 NIH_MGC_118 Homo sapiens CDNA clone IMAGE:5756984
5', mRNA sequence.
ACCESSION BM923028.1 GI:19373407
VERSION BM923028.1
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 1076)
NIH-MGC http://mgi.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cga@bhs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LNLN at:
http://image.llnl.gov
Place: LBL/ML2798 row: h column: 09
High quality sequence start: 4
High quality sequence stop: 701.
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and directionally cloned (EcoRV site is destroyed upon
cloning). Average insert size 1.7 kb, insert size range
1.2-3.3 kb. Library is normalized and enriched for
full-length clones and was constructed by C. Gruber
(Invitrogen). Research Genetics tracking code 027. Note:
this is a NIH_MGC library."
BASE COUNT 211 a 323 c 260 g 281 t 1 others
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Query Match 25.8%; Score 308.6; DB 14; Length 1076;
Best Local Similarity 65.5%; Pred. No. 1e-77;
Matches 468; Conservative 0; Mismatches 244; Indels 3; Gaps 1;
Qy 154 ATGTACAGAGGATGCTGCTGCGCATGAGGGGACACCATCTCCAGGTGATGCCCG 213
Db 89 ATGACAGAGAAATGCTGTGTGTTCCGAGATGCTTCAATGCAAGGTGTGCGCGC 148
Qy 214 CTGCTATTGTGCTTGTGCTGGCGCACTAGGCAATGGGGTGGCCCTGTGTGTTTC 273
Db 149 GTGTGGGGCTGAGTTTATCTTTGGGCTTGGGCAATGAGCTTGGCTGTGATTTTC 208
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Qy 454 GGGAGCATGCTGTTCTCTTACGAGTGGTGGCTGCGCAGAGTATTTCAAGTGTCCACCC 513
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Qy 514 CACCAAGCGGTGAACACTATCTTCCACCCGGGTGGCGGTGATGTCTGCACCTGTGG 573
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DEFINITION AGENCOURT_6706268 NIH_MGC_120 Homo sapiens CDNA clone IMAGE:5750043
5', mRNA sequence.

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ACCESSION BM920158  
 VERSION BM920158.1 GI:19370537  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.  
 REFERENCE 1 (bases 1 to 1063)  
 NIH-MGC <http://mgs.nci.nih.gov/>.  
 National Institutes of Health, Mammalian Gene Collection (MGC)  
 Unpublished (1999)  
 CONTACT: Robert Strausberg, Ph.D.  
 Email: [cgapbs-remail.nih.gov](mailto:cgapbs-remail.nih.gov)  
 Tissue Procurement: Life Technologies, Inc.  
 cDNA Library Preparation: Life Technologies, Inc.  
 DNA Sequencing by: The I.M.A.G.E. Consortium (LLNL)  
 Clone distribution: MGC clone distribution information can be  
 found through the I.M.A.G.E. Consortium/LLNL at:  
<http://image.llnl.gov>  
 Plate: LLNL12780 row: g column: 04  
 High quality sequence stop: 647.  
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 pCMV-SPORT6; Site\_1: NotI; Site\_2: EcoRV (destroyed); RNA  
 source anonymous pool of spleen and pancreas from 28 yo  
 male. Library is oligo-dT primed and directionally cloned  
 (EcoRV site is destroyed upon cloning). Average insert  
 size 1.5 kb, insert size range 1-2.5 kb. Library is  
 normalized and enriched for full-length clones and was  
 constructed by C. Gruber (Invitrogen). Research Genetics  
 tracking code 025. Note: this is a NIH-MGC Library."  
 BASE COUNT 208 a 320 c 259 g 276 t  
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 Query Match 25.4%; Score 303; DB 14; Length 1063;  
 Best Local Similarity 65.1%; Pred. No. 4.3e-76;  
 Matches 463; Conservative 0; Mismatches 245; Indels 3; Gaps 1;

QY 574 GCCCTGCTCATCTCGGAAACAGTATCTTTTGTCTGAGAAACATCTCTGCGCAAG 633  
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 QY 634 ACGCGGCTCTCCGTGAGAGGCTTCATGAGATGAGTGGCCCAATGGCTGCGACATCATG 693  
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 VERSION AL554198.1 GI:12894744  
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 SOURCE human.  
 ORGANISM Homo sapiens  
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 Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.  
 REFERENCE 1 (bases 1 to 855)  
 La W.B., Gruber, C., Jesse, J. and Polyes, D.  
 Full-length cDNA libraries and normalization  
 Unpublished (2001)  
 JOURNAL Contact: Genoscope  
 Genoscope - Centre National de Sequencage  
 BP 191 91006 EVRY cedex - France  
 Email: [segref@genoscope.cns.fr](mailto:segref@genoscope.cns.fr) Web : [www.genoscope.cns.fr](http://www.genoscope.cns.fr).  
 COMMENT  
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 enriched, double-stranded cDNA was digested with Not I and  
 cloned into the Not I and Eco RV sites of the pCMVSPORT 6  
 vector. Library was normalized. Library was constructed by  
 Life Technologies. Contact: Feng Liang Life Technologies,  
 a division of Invitrogen 9800 Medical Center Drive  
 Rockville, Maryland 20850, USA Fax : (1) 301 610 8371  
 Email : [fliang@life.com](mailto:fliang@life.com) URL :  
<http://fulllength.invitrogen.com>"

BASE COUNT 172 a 240 c 210 g 214 t 19 others  
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 Query Match 24.4%; Score 291; DB 9; Length 855;  
 Best Local Similarity 61.9%; Pred. No. 1.1e-72;  
 Matches 451; Conservative 15; Mismatches 260; Indels 3; Gaps 1;

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RESULT 10  
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 DEFINITION 603035649F1 NIH\_MGC\_115 Homo sapiens cDNA clone IMAGE:5176597 5',  
 mRNA sequence.  
 ACCESSION B1820995  
 VERSION B1820995.1 GI:15932545  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.  
 NIH-MGC http://mgi.nci.nih.gov/  
 National Institutes of Health, Mammalian Gene Collection (MGC)  
 Unpublished (1999)  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgaabs-remail.nih.gov  
 Tissue Procurement: Life Technologies, Inc.  
 cDNA Library Preparation: Life Technologies, Inc.  
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
 DNA Sequencing by: Incyte Genomics, Inc.  
 Clone distribution: MGC clone distribution information can be  
 found through the I.M.A.G.E. Consortium/LLNL at:  
 http://image.llnl.gov  
 Plate: LLNL1440 row: a column: 14  
 High quality sequence start: 6  
 High quality sequence stop: 847.

# FEATURES source

Location/Qualifiers

1. 876  
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 /db\_xref="taxon:9606"  
 /clone="IMAGE:5176597"  
 /clone\_1b="NIH\_MGC\_115"  
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 /note="Organ: pooled brain, lung, testis; Vector:  
 pCMV-Sport6; Site 1: NotI; Site 2: EcoRV (destroyed); RNA  
 source anonymous pool of 6 male brains, age range 23-27; 1  
 male lung, age 27, and 1 male testis, age 69. Library is  
 oligo-dT primed and directionally cloned (EcoRV site is  
 destroyed upon cloning). Average insert size 1.8 kb,  
 insert size range 1-3 kb. Library is normalized and  
 enriched for full-length clones and was constructed by C.  
 Gruber (Invitrogen). Research Genetics tracking code  
 021. Note: this is a NIH-MGC Library."

BASE COUNT 168 a 247 c 230 g 231 t  
 ORIGIN

Query Match 23.5%; Score 280.2; DB 13; Length 876;

Best Local Similarity 64.7%; Pred. No. 1.5e-69;

Matches 464; Conservative 0; Mismatches 248; Indels 5; Gaps 3;

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 Db 91 ATAGACAAGAAAGATCTGTTGTTCCAGATGATCTTCAAGTGTGGCCG 150  
 QY 214 CTGCTCATTTGGCTTTTGTGCTGGGCGCATAGGAATGGGGTCCCTGTGTGCTTC 273  
 Db 151 GTGTTGGGGGTGAGTTTATCTTGGGCTTCTGGCAATGGCTTCCCTGTGATTTTC 210  
 QY 274 TGCCTCACATGAAGACCTGGAAGCCAGACATGTTTACCTTTTCAATTTGGCCGTGCT 333  
 Db 211 TGTTCACACTCAAGTCTGGAATTCACACCGATTTTCTGTTCACCTGGCATGCT 270  
 QY 334 GATTTCCTCTTAATGATCTGCTGCTTTTGGACAGACTATTATCTCAGACGTAGAC 393  
 Db 271 GACTTCTACTGAMCATCTGCTGCTGCTTCTGATGACACATATGTAGAGCGTTGGAC 330  
 QY 394 TGGGCTTTGGGGACATTCCTGCGAGTGGGGCTTTCACGTTGGGCGATGAACGGGCG 453  
 Db 331 TGAAGTTGGGACATCTTGGCGGCTGATCTCTTAATGTGGCTATGAACGGCCAA 390  
 QY 454 GGGAGCATCTGTTCTCTTAAGTGTGCTGCGACAGGATTTTCAAGTGTCCACCC 513  
 Db 390 GGAATCATMTCTCTCAAGTGTGGGTARACAAATTTCCGRTGTTCATCCC 449  
 QY 514 CACCAAGCGGTGAACATATCTCAACCCGGGTGGCGCTGGCATGTCTGCACCTGTGG 573  
 Db 450 CACCAGCGCTGAAACAGMTCTCAATCGGACAGACCATATCTTGTGCTGTGG 509  
 QY 574 GCCCTGATCATCTGGGAACAGTGTATCTTTTGTGAGAACATCTGCGTGCAAG 633  
 Db 510 GGCATCATATTTGGCTGACAGTCCACTTCTTAAGAAAGATGCCATTCGAATGGC 569  
 QY 634 ACCGCGCTCTCTGTGAGACCTTCATCATGAGTGGCCCATGGCTGGACAGCATCAG 693  
 Db 570 GGTGCAATTTTGTGACAGCGCTCAGCATGTGCCAATCTTCAAGTGGACGACG 629  
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 Db 630 TTCTCTCTKAGATTTCTTCCCTGCGCCCTGGGATCATCTGTTGTGCTCAGCAATATC 689  
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 QY 814 TTCAATCATGTTGTGCAATTTGTTTATCATCATGTACTGCTGCGCGCTGTCTGTAGA 876  
 Db 748 TTATCATATGTTGTGGCAGTCGTTGTCTGCTTCCAGGCTGTGTGTGGAT 804

US-09-942-374-1.rst

REFERENCE  
AUTHORS  
TITLE  
JOURNAL  
COMMENT

1 (bases 1 to 734)  
NIH-MGC <http://mgc.ncbi.nlm.nih.gov/>.  
National Institutes of Health, Mammalian Gene Collection (MGC)  
Unpublished (1999)  
Contact: Robert Strausberg, Ph.D.

FEATURES	Location/Qualifiers
source	1. .734

Query Match	22.8%	Score 272;	DB 13;	Length 734;
Best Local Similarity	66.0%;	Pred. No. 3.3e-67;		
Matches 409; Conservative	0;	Mismatches 210;	Indels 1;	Gaps 1

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ORGANISM      Homo sapiens

align quality sequence score: 132.

154 ATGTACAAACGGTCTGCTGCCGATCGAGGGGACACCATCTCCAGGTGATGCCCGC 213

Db 130 ATAGACAAAGAAAGCTGCTGTGTGTTCCGAGATGACTTATGTCAGGTGTGCGCCG 189  
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 Db 250 TGTTCACCTCAAGTCTCGAATCCAGATCCAGATTTTCTGTTCAACTGGCAATGCT 309  
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RESULT 13  
 BB873518 367 bp mRNA linear EST 27-NOV-2001  
 LOCUS BB873518 RIKEN full-length enriched, 15 days embryo brain Mus  
 DEFINITION musculus cDNA clone G630046N17.5', mRNA sequence.  
 ACCESSION BB873518  
 VERSION BB873518.1 GI:17119728  
 KEYWORDS EST.  
 SOURCE mouse.  
 ORGANISM Mus musculus  
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 1 (bases 1 to 367)  
 Akimura, T., Arikawa, T., Carninci, P., Furuno, M., Hanagaki, T.,  
 Hayatsu, N., Hiramoto, K., Hiraoka, T., Hirozane, T., Imochi, K., Ishi,  
 Y., Ito, M., Kawai, J., Kojima, Y., Kono, H., Kouda, M., Matsuyama, T.,  
 Nakamura, M., Nishi, K., Nomura, K., Numasaki, R., Okazaki, Y., Okido, T.,  
 Saito, R., Sakai, C., Sakai, K., Sakazume, N., Sasaki, D., Sato, K.,  
 Shibata, K., Shinagawa, A., Shiraki, T., Sogabe, Y., Suzuki, H., Tagawa,  
 A., Takahashi, F., Takaku-Akahira, S., Tanaka, T., Tomaru, A., Toya, T.,  
 Watanahiki, A., Yasunishi, A., Muramatsu, M. and Hayashizaki, Y.  
 RIKEN Encyclopedia of Mouse Full-length cDNAs (Akimura, T., et al.  
 2001)

JOURNAL Unpublished (2001)  
 COMMENT contact: Yoshihide Hayashizaki  
 Laboratory for Genome Exploration Research Group, RIKEN Genomic  
 Sciences Center (GSC), Yokohama Institute  
 The Institute of Physical and Chemical Research (RIKEN)  
 1-7-22 Suenhiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan

Tel: 81-45-503-9222  
 Fax: 81-45-503-9216  
 Email: genome-res@gsr.riken.go.jp,  
 URL: http://genome.gsc.riken.go.jp/  
 Carninci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh,  
 M., Kono, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.  
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 prepare full-length cDNA libraries for rapid discovery of new  
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 Wagi, K., Fujiwara, S., Inoue, K., Togawa, Y., Iizawa, M., Ohara, E.,  
 Watanahiki, M., Yoneda, Y., Ishikawa, T., Ozawa, K., Tanaka, T., Matsura,  
 Hayashizaki, Y.  
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 sequencing pipeline with 384 multichipillary sequencer. Genome Res.  
 10 (11), 1757-1771 (2000)  
 Kono, H., Fukunishi, Y., Shibata, K., Itoh, M., Carninci, P., Sugahara,  
 Y. and Hayashizaki, Y.  
 Computer-based methods for the mouse full-length cDNA  
 encyclopedia: real-time sequence clustering for construction of a  
 nonredundant cDNA library. Genome Res. 11 (2), 281-289 (2001)  
 Please visit our web site (http://genome.gsc.riken.go.jp) for  
 further details.  
 e mouse tissues.  
 Location/Qualifiers  
 source  
 1. 367  
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 embryo, sex=mixed)"

BASE COUNT 65 a 106 c 92 g 104 t  
 ORIGIN  
 Query Match 21.7%; Score 259.2; DB 10; Length 367;  
 Best Local Similarity 82.5%; Pred. No. 1.2e-63;  
 Matches 297; Conservative 0; Mismatches 63; Indels 0; Gaps 0;  
 Qy 141 CTGTGCCCCGCAATGTAACAAGGCTGTGCTGCCGATGAGGGGAGACCATCTCCCA 200  
 Db 8 CTCCTCAACTGCTATGGAACAAGGCTGTGCTGCTCATGAGGGGAGGCCATCTCCCA 67  
 Qy 201 GGTATGCGCGCGCTGCTCATTTGCGCTTGTGCTGGGCGCATAGGCAATGAGGTGCG 260  
 Db 68 AGTATGCTCTCTTACTACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 127  
 Qy 261 CCTGTGCTGCTTCTTCTTCAATGAAAGACCTGGAAGCCAGACATGTTTACCTTTTCAA 320  
 Db 128 CCTGTGCGGCTTCTGCTTCAATGAAAGACCTGGAAGACATGTTTACCTTTTCAA 187  
 Qy 321 TTGGGCGGTGATTTTCTCTTATGATGCTGCTGCTTTCCTTTTGGACACATTTTACCT 380  
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 Qy 381 CAGAGTGAACATGCGGCTTTTGGGACATCTTCTGCGAGTGGGCTCTTCAAGTGGC 440  
 Db 248 CAGAGTGAACATGATTTTGGAGATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 307  
 Qy 441 CATGAACAGGCGCGGAGCATGCTGCTTCAAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 500  
 Db 308 CATGAATGAGGCGCGGAGCATGCTGCTTCAAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 367

RESULT 14  
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LOCUS BB873597 367 bp mRNA linear EST 27-NOV-2001  
DEFINITION BB873597 RIKEN full-length enriched, 15 days embryo brain Mus  
accession BB873597  
VERSION BB873597  
KEYWORDS BB873597.1 GI:17119807  
SOURCE house mouse.  
ORGANISM Mus musculus.  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
REFERENCE  
AUTHORS Akimura, T., Arakawa, T., Carninci, P., Furuno, M., Hanagaki, T., Hayatsu, N., Hiramoto, K., Hiraoka, T., Hirazane, T., Imocani, K., Ishii, Y., Ito, M., Kawai, J., Kojima, Y., Komoto, H., Kouda, M., Matsuyama, T., Nakamura, M., Nishi, K., Nomura, K., Numasaki, R., Okazaki, Y., Okido, T., Saito, R., Sakai, C., Sakai, C., Sakazume, N., Sasaki, D., Sato, K., Shibata, K., Shingawa, A., Shiraki, T., Sogabe, Y., Suzuki, H., Tagawa, A., Takahashi, F., Takaku-Akahira, S., Tanaka, T., Tomaru, A., Toya, T., Watanuki, A., Yasunishi, A., Muramatsu, M., and Hayashizaki, Y.  
RIKEN Encyclopedia of Mouse Full-length cDNAs (Akimura, T., et al. 2001)  
JOURNAL Unpublished (2001)  
COMMENT Contact: Yoshihide Hayashizaki  
Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center (GSC), Yokohama Institute  
The Institute of Physical and Chemical Research (RIKEN)  
1-7-22 Suenhiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan  
Tel: 81-45-503-9222  
Fax: 81-45-503-9216  
Email: genome-res@sc.riken.go.jp,  
URL: http://genome.gsc.riken.go.jp/  
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Please visit our web site (<http://genome.gsc.riken.go.jp>) for further details.  
e mouse tissues.  
FEATURES  
source location/Qualifiers  
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/dev\_stage="15 days embryo"  
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ORIGIN

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Best Local Similarity 82.2%; Pred. No. 6, 9e-63;  
Matches 295; Conservative 0; Mismatches 64; Indels 0; Gaps 0;  
QY 141 CTCCTCCCGCCCATGTAACACGGGTGCTGCTGCCGATGACGGGGACACCATCTCCCA 200  
DB 9 CTCCTCAACTGCTATGACCAACGGGTGCTGCTGCTCATCAGGGGAGACCATCTCCCA 68  
QY 201 GGTATGCGCCGCGCTGCTATGTCGCTTGTGTCGCGGACCACTAGGCAATGGGGTGGC 260  
DB 69 AGTATGCTCTCTCTACATCACTGCTGCTTGTGCTGCTGCGCCCTGAGCAAGGCAATGC 128  
QY 261 CCGTGTGCTTGTGCTTCCATGAACACCTGGAAGCCGACACTGTATACCTTTTCAA 320  
DB 129 CCTGCGCGCTTGTGCTTCCATGAACACCTGGAAGCACTATTTACCTTTCAA 188  
QY 321 TTGGCGCGCTGCTATTTTCTTCTTATGATGCTGCTGCTTTTGGACAGACTTTACT 380  
DB 189 CTGGCTGTGCGCAATTTTCTCTCATGATCTGCTTACCCCTTGGACAGACTTACT 248  
QY 381 CAGACGTAGACACTGAGGCTTTTGGGAGACATTCCTGCGCGAGTGGGCTCTTCAAGTGGC 440  
DB 249 CAGACGACAGACACTGAGATTTTGGAGATATGCTGCTGCTGCTCTTCAAGCTTGA 308  
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DEFINITION BB614132 RIKEN full-length enriched, 0 day neonate head Mus  
accession BB614132  
VERSION BB614132.1 GI:16454591  
KEYWORDS EST.  
SOURCE house mouse.  
ORGANISM Mus musculus.  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
REFERENCE  
AUTHORS Akakawa, T., Carninci, P., Fukuda, S., Furuno, M., Hanagaki, T., Hara, A., Hiramoto, K., Hori, F., Ishii, Y., Ito, M., Kawai, J., Komoto, H., Kouda, M., Koya, S., Matsuyama, T., Miyazaki, A., Nomura, K., Ono, M., Okazaki, Y., Okido, T., Saito, R., Sakai, C., Sakai, K., Sano, H., Sasaki, P., Shibata, K., Shingawa, A., Shiraki, T., Sogabe, Y., Suzuki, H., Tagawa, M., Tagawa, A., Takahashi, F., Takeda, Y., Tanaka, T., Toya, T., Muramatsu, M., and Hayashizaki, Y.  
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